

Program PWSCF v.5.1 starts

This program is part of the open-source Quantum ESPRESSO suite  
for quantum simulation of materials; please cite

"P. Giannozzi et al., J. Phys.:Condens. Matter 21 395502 (2009);  
URL <http://www.quantum-espresso.org>",  
in publications or presentations arising from this work. More details at  
<http://www.quantum-espresso.org/quote>

Parallel version (MPI), running on 8 processors  
R & G space division: proc/nbgrp/npool/nimage = 8  
Waiting for input...

Reading input from standard input

Warning: card &IONS ignored

Warning: card ION\_DYNAMICS = 'BFGS' ignored

Warning: card / ignored

Current dimensions of program PWSCF are:

Max number of different atomic species (ntypx) = 10

Max number of k-points (npk) = 40000

Max angular momentum in pseudopotentials (lmaxx) = 3

Atomic positions and unit cell read from directory:

./tmp-hetero/A.save/

file C.pbe-rrkjus.UPF: wavefunction(s) 2S 2P renormalized

Subspace diagonalization in iterative solution of the eigenvalue problem:  
scalapack distributed-memory algorithm (size of sub-group: 2\* 2 procs)

Parallelization info

-----

sticks:	dense	smooth	PW	G-vecs:	dense	smooth	PW
Min	1118	446	119		256124	64802	9013
Max	1119	447	120		256141	64831	9030
Sum	8947	3571	955		2049049	518527	72155

Generating pointlists ...

new r_m :	0.0595 (alat units)	1.0721 (a.u.)	for type	1
new r_m :	0.0595 (alat units)	1.0719 (a.u.)	for type	2
new r_m :	0.0595 (alat units)	1.0719 (a.u.)	for type	3

bravais-lattice index	=	4
lattice parameter (alat)	=	18.0060 a.u.
unit-cell volume	=	15167.1375 (a.u.)^3
number of atoms/cell	=	64
number of atomic types	=	3
number of electrons	=	256.00
number of Kohn-Sham states	=	154
kinetic-energy cutoff	=	40.0000 Ry
charge density cutoff	=	400.0000 Ry
Exchange-correlation	=	PBE ( 1 4 3 4 0)

celldm(1)=	18.006000	celldm(2)=	0.000000	celldm(3)=	3.000000
celldm(4)=	0.000000	celldm(5)=	0.000000	celldm(6)=	0.000000

crystal axes: (cart. coord. in units of alat)

a(1) = (	1.000000	0.000000	0.000000	)
a(2) = (	-0.500000	0.866025	0.000000	)

a(3) = ( 0.000000 0.000000 3.000000 )

reciprocal axes: (cart. coord. in units 2 pi/alat)

b(1) = ( 1.000000 0.577350 -0.000000 )

b(2) = ( 0.000000 1.154701 0.000000 )

b(3) = ( 0.000000 -0.000000 0.333333 )

PseudoPot. # 1 for C read from file:

./pseudo/C.pbe-rrkjus.UPF

MD5 check sum: 00fb224312de0c5b6853bd333518df6f

Pseudo is Ultrasoft, Zval = 4.0

Generated by new atomic code, or converted to UPF format

Using radial grid of 627 points, 4 beta functions with:

l(1) = 0

l(2) = 0

l(3) = 1

l(4) = 1

Q(r) pseudized with 0 coefficients

PseudoPot. # 2 for B read from file:

./pseudo/B.pbe-n-rrkjus\_psl.0.1.UPF

MD5 check sum: 82e190d381d3269bb317afd43cf1db29

Pseudo is Ultrasoft + core correction, Zval = 3.0

Generated using "atomic" code by A. Dal Corso (Quantum ESPRESSO distribution)

Using radial grid of 1059 points, 4 beta functions with:

l(1) = 0

l(2) = 0

l(3) = 1

l(4) = 1

Q(r) pseudized with 0 coefficients

PseudoPot. # 3 for N read from file:

./pseudo/N.pbe-n-rrkjus\_psl.0.1.UPF

MD5 check sum: c8986a496cba5b831c7822586319e126

Pseudo is Ultrasoft + core correction, Zval = 5.0

Generated using "atomic" code by A. Dal Corso (Quantum ESPRESSO distribution)

Using radial grid of 1085 points, 4 beta functions with:

l(1) = 0

l(2) = 0

l(3) = 1

l(4) = 1

Q(r) pseudized with 0 coefficients

atomic species	valence	mass	pseudopotential
C	4.00	12.01000	C ( 1.00)
B	3.00	10.81000	B( 1.00)
N	5.00	14.01000	N( 1.00)

Starting magnetic structure

atomic species magnetization

C 0.500

B -0.500

N 0.000

No symmetry found

s

frac. trans.

```

    isym = 1      identity

cryst.   s( 1) = (      1      0      0      )
            (      0      1      0      )
            (      0      0      1      )

cart.    s( 1) = ( 1.0000000  0.0000000  0.0000000 )
            ( 0.0000000  1.0000000  0.0000000 )
            ( 0.0000000  0.0000000  1.0000000 )

point group C_1 (1)
there are 1 classes
the character table:

      E
A      1.00

the symmetry operations in each class:
E      1

Cartesian axes

site n.   atom      positions (alat units)
  1        C   tau( 1) = ( -0.3722375  0.7921450  1.5717749 )
  2        C   tau( 2) = ( -0.2473937  0.7200621  1.5623312 )
  3        C   tau( 3) = ( -0.2474672  0.5755947  1.5610503 )
  4        C   tau( 4) = ( -0.1224101  0.5034082  1.5545272 )
  5        C   tau( 5) = ( -0.1223487  0.3591504  1.5625054 )
  6        C   tau( 6) = (  0.0027039  0.2869919  1.5671389 )
  7        C   tau( 7) = (  0.1277631  0.3591980  1.5678735 )
  8        C   tau( 8) = (  0.2525680  0.2870921  1.5788444 )
  9        C   tau( 9) = (  0.1278264  0.5033915  1.5583770 )
 10        C   tau(10) = (  0.0027713  0.5755675  1.5496450 )
 11        C   tau(11) = (  0.0026935  0.7201541  1.5517755 )
 12        C   tau(12) = ( -0.1223495  0.7923689  1.5590566 )
 13        C   tau(13) = (  0.1277242  0.7922795  1.5584410 )
 14        C   tau(14) = (  0.2527545  0.7200131  1.5636008 )
 15        C   tau(15) = (  0.2527616  0.5755804  1.5658001 )
 16        C   tau(16) = (  0.3775246  0.5035911  1.5781177 )
 17        C   tau(17) = (  0.3776089  0.3592186  1.5826729 )
 18        C   tau(18) = (  0.5027638  0.2869259  1.5823156 )
 19        C   tau(19) = (  0.3776228  0.7921513  1.5714527 )
 20        C   tau(20) = (  0.5026924  0.7200085  1.5742543 )
 21        C   tau(21) = (  0.5027082  0.5756984  1.5772995 )
 22        C   tau(22) = (  0.6278335  0.5035639  1.5733955 )
 23        C   tau(23) = (  0.6277597  0.3591836  1.5767004 )
 24        C   tau(24) = (  0.7527147  0.2870630  1.5705184 )
 25        C   tau(25) = (  0.7526826  0.1426472  1.5707590 )
 26        C   tau(26) = (  0.8776967  0.0704876  1.5715409 )
 27        C   tau(27) = (  0.6276465  0.0704622  1.5677100 )
 28        C   tau(28) = (  0.5027096  0.1426048  1.5746582 )
 29        C   tau(29) = (  0.3777101  0.0703786  1.5713144 )
 30        C   tau(30) = (  0.2527081  0.1426074  1.5773510 )
 31        C   tau(31) = (  0.1277052  0.0704799  1.5750035 )
 32        C   tau(32) = (  0.0026733  0.1427159  1.5735559 )
 33        B   tau(33) = ( -0.3722930  0.7921719  1.0499985 )
 34        N   tau(34) = ( -0.2472939  0.7200032  1.0499987 )
 35        B   tau(35) = ( -0.2473184  0.5756731  1.0499987 )
 36        N   tau(36) = ( -0.1223232  0.5035014  1.0499977 )
 37        B   tau(37) = ( -0.1223036  0.3591545  1.0499986 )

```

```

38      N   tau( 38) = (  0.0027018  0.2870027  1.0499986 )
39      B   tau( 39) = (  0.1276928  0.3591775  1.0499986 )
40      N   tau( 40) = (  0.2526728  0.2870002  1.0499988 )
41      N   tau( 41) = (  0.1277082  0.5034989  1.0499979 )
42      B   tau( 42) = (  0.0027070  0.5756602  1.0499991 )
43      N   tau( 43) = (  0.0026889  0.7200266  1.0499976 )
44      B   tau( 44) = ( -0.1223171  0.7921996  1.0499987 )
45      B   tau( 45) = (  0.1277154  0.7921930  1.0499986 )
46      N   tau( 46) = (  0.2526964  0.7200017  1.0499982 )
47      B   tau( 47) = (  0.2526871  0.5756705  1.0499986 )
48      N   tau( 48) = (  0.3776797  0.5035212  1.0499988 )
49      B   tau( 49) = (  0.3776924  0.3591732  1.0499978 )
50      N   tau( 50) = (  0.5027047  0.2869886  1.0499988 )
51      B   tau( 51) = (  0.3776931  0.7921707  1.0499980 )
52      N   tau( 52) = (  0.5027012  0.7200196  1.0499986 )
53      B   tau( 53) = (  0.5026998  0.5756503  1.0499979 )
54      N   tau( 54) = (  0.6277079  0.5035044  1.0499985 )
55      B   tau( 55) = (  0.6277035  0.3591749  1.0499979 )
56      N   tau( 56) = (  0.7527054  0.2869984  1.0499984 )
57      B   tau( 57) = (  0.7526904  0.1426600  1.0499982 )
58      N   tau( 58) = (  0.8777103  0.0704830  1.0499986 )
59      N   tau( 59) = (  0.6276960  0.0704893  1.0499983 )
60      B   tau( 60) = (  0.5026952  0.1426459  1.0499981 )
61      N   tau( 61) = (  0.3777058  0.0704853  1.0499984 )
62      B   tau( 62) = (  0.2527205  0.1426623  1.0499979 )
63      N   tau( 63) = (  0.1276933  0.0704829  1.0499987 )
64      B   tau( 64) = (  0.0027020  0.1426665  1.0499981 )

```

## Crystallographic axes

```

site n.      atom      positions (cryst. coord.)
  1          C   tau(  1) = (  0.0851076  0.9146903  0.5239250 )
  2          C   tau(  2) = (  0.1683343  0.8314561  0.5207771 )
  3          C   tau(  3) = (  0.0848525  0.6646395  0.5203501 )
  4          C   tau(  4) = (  0.1682328  0.5812857  0.5181757 )
  5          C   tau(  5) = (  0.0850069  0.4147111  0.5208351 )
  6          C   tau(  6) = (  0.1683988  0.3313897  0.5223796 )
  7          C   tau(  7) = (  0.3351462  0.4147662  0.5226245 )
  8          C   tau(  8) = (  0.4183207  0.3315054  0.5262815 )
  9          C   tau(  9) = (  0.4184596  0.5812664  0.5194590 )
 10         C   tau( 10) = (  0.3350754  0.6646081  0.5165483 )
 11         C   tau( 11) = (  0.4184747  0.8315623  0.5172585 )
 12         C   tau( 12) = (  0.3351248  0.9149488  0.5196855 )
 13         C   tau( 13) = (  0.5851470  0.9148455  0.5194803 )
 14         C   tau( 14) = (  0.6684543  0.8313995  0.5212003 )
 15         C   tau( 15) = (  0.5850731  0.6646230  0.5219334 )
 16         C   tau( 16) = (  0.6682730  0.5814969  0.5260392 )
 17         C   tau( 17) = (  0.5850039  0.4147900  0.5275576 )
 18         C   tau( 18) = (  0.6684206  0.3313135  0.5274385 )
 19         C   tau( 19) = (  0.8349716  0.9146975  0.5238176 )
 20         C   tau( 20) = (  0.9183895  0.8313942  0.5247514 )
 21         C   tau( 21) = (  0.8350878  0.6647592  0.5257665 )
 22         C   tau( 22) = (  0.9185663  0.5814655  0.5244652 )
 23         C   tau( 23) = (  0.8351344  0.4147495  0.5255668 )
 24         C   tau( 24) = (  0.9184506  0.3314718  0.5235061 )
 25         C   tau( 25) = (  0.8350400  0.1647148  0.5235863 )
 26         C   tau( 26) = (  0.9183927  0.0813920  0.5238470 )
 27         C   tau( 27) = (  0.6683279  0.0813627  0.5225700 )
 28         C   tau( 28) = (  0.5850426  0.1646659  0.5248861 )
 29         C   tau( 29) = (  0.4183432  0.0812662  0.5237715 )
 30         C   tau( 30) = (  0.3350425  0.1646688  0.5257837 )
 31         C   tau( 31) = (  0.1683968  0.0813831  0.5250012 )

```

```

32      C   tau( 32) = (  0.0850703  0.1647941  0.5245186  )
33      B   tau( 33) = (  0.0850676  0.9147213  0.3499995  )
34      N   tau( 34) = (  0.1684001  0.8313880  0.3499996  )
35      B   tau( 35) = (  0.0850466  0.6647301  0.3499996  )
36      N   tau( 36) = (  0.1683735  0.5813934  0.3499992  )
37      B   tau( 37) = (  0.0850543  0.4147159  0.3499995  )
38      N   tau( 38) = (  0.1684028  0.3314021  0.3499995  )
39      B   tau( 39) = (  0.3350640  0.4147425  0.3499995  )
40      N   tau( 40) = (  0.4183724  0.3313993  0.3499996  )
41      N   tau( 41) = (  0.4184034  0.5813905  0.3499993  )
42      B   tau( 42) = (  0.3350646  0.6647152  0.3499997  )
43      N   tau( 43) = (  0.4183964  0.8314151  0.3499992  )
44      B   tau( 44) = (  0.3350596  0.9147533  0.3499996  )
45      B   tau( 45) = (  0.5850883  0.9147457  0.3499995  )
46      N   tau( 46) = (  0.6683896  0.8313864  0.3499994  )
47      B   tau( 47) = (  0.5850506  0.6647271  0.3499995  )
48      N   tau( 48) = (  0.6683878  0.5814163  0.3499996  )
49      B   tau( 49) = (  0.5850611  0.4147375  0.3499993  )
50      N   tau( 50) = (  0.6683977  0.3313859  0.3499996  )
51      B   tau( 51) = (  0.8350530  0.9147199  0.3499993  )
52      N   tau( 52) = (  0.9184048  0.8314070  0.3499995  )
53      B   tau( 53) = (  0.8350516  0.6647037  0.3499993  )
54      N   tau( 54) = (  0.9184063  0.5813968  0.3499995  )
55      B   tau( 55) = (  0.8350732  0.4147395  0.3499993  )
56      N   tau( 56) = (  0.9184040  0.3313972  0.3499995  )
57      B   tau( 57) = (  0.8350552  0.1647295  0.3499994  )
58      N   tau( 58) = (  0.9184036  0.0813868  0.3499995  )
59      N   tau( 59) = (  0.6683931  0.0813941  0.3499994  )
60      B   tau( 60) = (  0.5850518  0.1647133  0.3499994  )
61      N   tau( 61) = (  0.4184006  0.0813894  0.3499995  )
62      B   tau( 62) = (  0.3350866  0.1647322  0.3499993  )
63      N   tau( 63) = (  0.1683866  0.0813866  0.3499996  )
64      B   tau( 64) = (  0.0850706  0.1647371  0.3499994  )

```

number of k points= 400 Marzari-Vanderbilt smearing, width (Ry)= 0.0010

```

      cart. coord. in units 2pi/alat
k(   1) = (  0.0000000  0.0000000  0.0000000), wk =  0.0050000
k(   2) = (  0.0000000 -0.0079089  0.0000000), wk =  0.0050000
k(   3) = (  0.0000000 -0.0158178  0.0000000), wk =  0.0050000
k(   4) = (  0.0000000 -0.0237267  0.0000000), wk =  0.0050000
k(   5) = (  0.0000000 -0.0316356  0.0000000), wk =  0.0050000
k(   6) = (  0.0000000 -0.0395445  0.0000000), wk =  0.0050000
k(   7) = (  0.0000000 -0.0474534  0.0000000), wk =  0.0050000
k(   8) = (  0.0000000 -0.0553624  0.0000000), wk =  0.0050000
k(   9) = (  0.0000000 -0.0632713  0.0000000), wk =  0.0050000
k(  10) = (  0.0000000 -0.0711802  0.0000000), wk =  0.0050000
k(  11) = (  0.0000000 -0.0790891  0.0000000), wk =  0.0050000
k(  12) = (  0.0000000 -0.0869980  0.0000000), wk =  0.0050000
k(  13) = (  0.0000000 -0.0949069  0.0000000), wk =  0.0050000
k(  14) = (  0.0000000 -0.1028158  0.0000000), wk =  0.0050000
k(  15) = (  0.0000000 -0.1107247  0.0000000), wk =  0.0050000
k(  16) = (  0.0000000 -0.1186336  0.0000000), wk =  0.0050000
k(  17) = (  0.0000000 -0.1265425  0.0000000), wk =  0.0050000
k(  18) = (  0.0000000 -0.1344514  0.0000000), wk =  0.0050000
k(  19) = (  0.0000000 -0.1423603  0.0000000), wk =  0.0050000
k(  20) = (  0.0000000 -0.1502692  0.0000000), wk =  0.0050000
k(  21) = (  0.0000000 -0.1581782  0.0000000), wk =  0.0050000
k(  22) = (  0.0000000 -0.1660871  0.0000000), wk =  0.0050000
k(  23) = (  0.0000000 -0.1739960  0.0000000), wk =  0.0050000
k(  24) = (  0.0000000 -0.1819049  0.0000000), wk =  0.0050000
k(  25) = (  0.0000000 -0.1898138  0.0000000), wk =  0.0050000
k(  26) = (  0.0000000 -0.1977227  0.0000000), wk =  0.0050000

```

```
k( 27) = ( 0.0000000 -0.2056316 0.0000000), wk = 0.0050000
k( 28) = ( 0.0000000 -0.2135405 0.0000000), wk = 0.0050000
k( 29) = ( 0.0000000 -0.2214494 0.0000000), wk = 0.0050000
k( 30) = ( 0.0000000 -0.2293583 0.0000000), wk = 0.0050000
k( 31) = ( 0.0000000 -0.2372672 0.0000000), wk = 0.0050000
k( 32) = ( 0.0000000 -0.2451761 0.0000000), wk = 0.0050000
k( 33) = ( 0.0000000 -0.2530850 0.0000000), wk = 0.0050000
k( 34) = ( 0.0000000 -0.2609940 0.0000000), wk = 0.0050000
k( 35) = ( 0.0000000 -0.2689029 0.0000000), wk = 0.0050000
k( 36) = ( 0.0000000 -0.2768118 0.0000000), wk = 0.0050000
k( 37) = ( 0.0000000 -0.2847207 0.0000000), wk = 0.0050000
k( 38) = ( 0.0000000 -0.2926296 0.0000000), wk = 0.0050000
k( 39) = ( 0.0000000 -0.3005385 0.0000000), wk = 0.0050000
k( 40) = ( 0.0000000 -0.3084474 0.0000000), wk = 0.0050000
k( 41) = ( 0.0000000 -0.3163563 0.0000000), wk = 0.0050000
k( 42) = ( 0.0000000 -0.3242652 0.0000000), wk = 0.0050000
k( 43) = ( 0.0000000 -0.3321741 0.0000000), wk = 0.0050000
k( 44) = ( 0.0000000 -0.3400830 0.0000000), wk = 0.0050000
k( 45) = ( 0.0000000 -0.3479919 0.0000000), wk = 0.0050000
k( 46) = ( 0.0000000 -0.3559009 0.0000000), wk = 0.0050000
k( 47) = ( 0.0000000 -0.3638098 0.0000000), wk = 0.0050000
k( 48) = ( 0.0000000 -0.3717187 0.0000000), wk = 0.0050000
k( 49) = ( 0.0000000 -0.3796276 0.0000000), wk = 0.0050000
k( 50) = ( 0.0000000 -0.3875365 0.0000000), wk = 0.0050000
k( 51) = ( 0.0000000 -0.3954454 0.0000000), wk = 0.0050000
k( 52) = ( 0.0000000 -0.4033543 0.0000000), wk = 0.0050000
k( 53) = ( 0.0000000 -0.4112632 0.0000000), wk = 0.0050000
k( 54) = ( 0.0000000 -0.4191721 0.0000000), wk = 0.0050000
k( 55) = ( 0.0000000 -0.4270810 0.0000000), wk = 0.0050000
k( 56) = ( 0.0000000 -0.4349899 0.0000000), wk = 0.0050000
k( 57) = ( 0.0000000 -0.4428988 0.0000000), wk = 0.0050000
k( 58) = ( 0.0000000 -0.4508077 0.0000000), wk = 0.0050000
k( 59) = ( 0.0000000 -0.4587167 0.0000000), wk = 0.0050000
k( 60) = ( 0.0000000 -0.4666256 0.0000000), wk = 0.0050000
k( 61) = ( 0.0000000 -0.4745345 0.0000000), wk = 0.0050000
k( 62) = ( 0.0000000 -0.4824434 0.0000000), wk = 0.0050000
k( 63) = ( 0.0000000 -0.4903523 0.0000000), wk = 0.0050000
k( 64) = ( 0.0000000 -0.4982612 0.0000000), wk = 0.0050000
k( 65) = ( 0.0000000 -0.5061701 0.0000000), wk = 0.0050000
k( 66) = ( 0.0000000 -0.5140790 0.0000000), wk = 0.0050000
k( 67) = ( 0.0000000 -0.5219879 0.0000000), wk = 0.0050000
k( 68) = ( 0.0000000 -0.5298968 0.0000000), wk = 0.0050000
k( 69) = ( 0.0000000 -0.5378057 0.0000000), wk = 0.0050000
k( 70) = ( 0.0000000 -0.5457146 0.0000000), wk = 0.0050000
k( 71) = ( 0.0000000 -0.5536235 0.0000000), wk = 0.0050000
k( 72) = ( 0.0000000 -0.5615325 0.0000000), wk = 0.0050000
k( 73) = ( 0.0000000 -0.5694414 0.0000000), wk = 0.0050000
k( 74) = ( 0.0000000 -0.5773503 0.0000000), wk = 0.0050000
k( 75) = ( 0.0079364 -0.5773504 0.0000000), wk = 0.0050000
k( 76) = ( 0.0158729 -0.5773505 0.0000000), wk = 0.0050000
k( 77) = ( 0.0238093 -0.5773507 0.0000000), wk = 0.0050000
k( 78) = ( 0.0317457 -0.5773508 0.0000000), wk = 0.0050000
k( 79) = ( 0.0396821 -0.5773510 0.0000000), wk = 0.0050000
k( 80) = ( 0.0476186 -0.5773511 0.0000000), wk = 0.0050000
k( 81) = ( 0.0555550 -0.5773512 0.0000000), wk = 0.0050000
k( 82) = ( 0.0634914 -0.5773514 0.0000000), wk = 0.0050000
k( 83) = ( 0.0714279 -0.5773515 0.0000000), wk = 0.0050000
k( 84) = ( 0.0793643 -0.5773516 0.0000000), wk = 0.0050000
k( 85) = ( 0.0873007 -0.5773518 0.0000000), wk = 0.0050000
k( 86) = ( 0.0952371 -0.5773519 0.0000000), wk = 0.0050000
k( 87) = ( 0.1031736 -0.5773521 0.0000000), wk = 0.0050000
k( 88) = ( 0.1111100 -0.5773522 0.0000000), wk = 0.0050000
```

```
k( 89) = ( 0.1190464 -0.5773523 0.0000000), wk = 0.0050000
k( 90) = ( 0.1269829 -0.5773525 0.0000000), wk = 0.0050000
k( 91) = ( 0.1349193 -0.5773526 0.0000000), wk = 0.0050000
k( 92) = ( 0.1428557 -0.5773527 0.0000000), wk = 0.0050000
k( 93) = ( 0.1507921 -0.5773529 0.0000000), wk = 0.0050000
k( 94) = ( 0.1587286 -0.5773530 0.0000000), wk = 0.0050000
k( 95) = ( 0.1666650 -0.5773532 0.0000000), wk = 0.0050000
k( 96) = ( 0.1746014 -0.5773533 0.0000000), wk = 0.0050000
k( 97) = ( 0.1825379 -0.5773534 0.0000000), wk = 0.0050000
k( 98) = ( 0.1904743 -0.5773536 0.0000000), wk = 0.0050000
k( 99) = ( 0.1984107 -0.5773537 0.0000000), wk = 0.0050000
k(100) = ( 0.2063471 -0.5773538 0.0000000), wk = 0.0050000
k(101) = ( 0.2142836 -0.5773540 0.0000000), wk = 0.0050000
k(102) = ( 0.2222200 -0.5773541 0.0000000), wk = 0.0050000
k(103) = ( 0.2301564 -0.5773543 0.0000000), wk = 0.0050000
k(104) = ( 0.2380929 -0.5773544 0.0000000), wk = 0.0050000
k(105) = ( 0.2460293 -0.5773545 0.0000000), wk = 0.0050000
k(106) = ( 0.2539657 -0.5773547 0.0000000), wk = 0.0050000
k(107) = ( 0.2619021 -0.5773548 0.0000000), wk = 0.0050000
k(108) = ( 0.2698386 -0.5773549 0.0000000), wk = 0.0050000
k(109) = ( 0.2777750 -0.5773551 0.0000000), wk = 0.0050000
k(110) = ( 0.2857114 -0.5773552 0.0000000), wk = 0.0050000
k(111) = ( 0.2936479 -0.5773554 0.0000000), wk = 0.0050000
k(112) = ( 0.3015843 -0.5773555 0.0000000), wk = 0.0050000
k(113) = ( 0.3095207 -0.5773556 0.0000000), wk = 0.0050000
k(114) = ( 0.3174571 -0.5773558 0.0000000), wk = 0.0050000
k(115) = ( 0.3253936 -0.5773559 0.0000000), wk = 0.0050000
k(116) = ( 0.3333300 -0.5773560 0.0000000), wk = 0.0050000
k(117) = ( 0.3293618 -0.5704828 0.0000000), wk = 0.0050000
k(118) = ( 0.3253936 -0.5636095 0.0000000), wk = 0.0050000
k(119) = ( 0.3214254 -0.5567362 0.0000000), wk = 0.0050000
k(120) = ( 0.3174571 -0.5498629 0.0000000), wk = 0.0050000
k(121) = ( 0.3134889 -0.5429896 0.0000000), wk = 0.0050000
k(122) = ( 0.3095207 -0.5361163 0.0000000), wk = 0.0050000
k(123) = ( 0.3055525 -0.5292430 0.0000000), wk = 0.0050000
k(124) = ( 0.3015843 -0.5223698 0.0000000), wk = 0.0050000
k(125) = ( 0.2976161 -0.5154965 0.0000000), wk = 0.0050000
k(126) = ( 0.2936479 -0.5086232 0.0000000), wk = 0.0050000
k(127) = ( 0.2896796 -0.5017499 0.0000000), wk = 0.0050000
k(128) = ( 0.2857114 -0.4948766 0.0000000), wk = 0.0050000
k(129) = ( 0.2817432 -0.4880033 0.0000000), wk = 0.0050000
k(130) = ( 0.2777750 -0.4811300 0.0000000), wk = 0.0050000
k(131) = ( 0.2738068 -0.4742567 0.0000000), wk = 0.0050000
k(132) = ( 0.2698386 -0.4673835 0.0000000), wk = 0.0050000
k(133) = ( 0.2658704 -0.4605102 0.0000000), wk = 0.0050000
k(134) = ( 0.2619021 -0.4536369 0.0000000), wk = 0.0050000
k(135) = ( 0.2579339 -0.4467636 0.0000000), wk = 0.0050000
k(136) = ( 0.2539657 -0.4398903 0.0000000), wk = 0.0050000
k(137) = ( 0.2499975 -0.4330170 0.0000000), wk = 0.0050000
k(138) = ( 0.2460293 -0.4261437 0.0000000), wk = 0.0050000
k(139) = ( 0.2420611 -0.4192705 0.0000000), wk = 0.0050000
k(140) = ( 0.2380929 -0.4123972 0.0000000), wk = 0.0050000
k(141) = ( 0.2341246 -0.4055239 0.0000000), wk = 0.0050000
k(142) = ( 0.2301564 -0.3986506 0.0000000), wk = 0.0050000
k(143) = ( 0.2261882 -0.3917773 0.0000000), wk = 0.0050000
k(144) = ( 0.2222200 -0.3849040 0.0000000), wk = 0.0050000
k(145) = ( 0.2182518 -0.3780307 0.0000000), wk = 0.0050000
k(146) = ( 0.2142836 -0.3711575 0.0000000), wk = 0.0050000
k(147) = ( 0.2103154 -0.3642842 0.0000000), wk = 0.0050000
k(148) = ( 0.2063471 -0.3574109 0.0000000), wk = 0.0050000
k(149) = ( 0.2023789 -0.3505376 0.0000000), wk = 0.0050000
k(150) = ( 0.1984107 -0.3436643 0.0000000), wk = 0.0050000
```

```
k( 151) = ( 0.1944425 -0.3367910 0.0000000), wk = 0.0050000
k( 152) = ( 0.1904743 -0.3299177 0.0000000), wk = 0.0050000
k( 153) = ( 0.1865061 -0.3230445 0.0000000), wk = 0.0050000
k( 154) = ( 0.1825379 -0.3161712 0.0000000), wk = 0.0050000
k( 155) = ( 0.1785696 -0.3092979 0.0000000), wk = 0.0050000
k( 156) = ( 0.1746014 -0.3024246 0.0000000), wk = 0.0050000
k( 157) = ( 0.1706332 -0.2955513 0.0000000), wk = 0.0050000
k( 158) = ( 0.1666650 -0.2886780 0.0000000), wk = 0.0050000
k( 159) = ( 0.1626968 -0.2818047 0.0000000), wk = 0.0050000
k( 160) = ( 0.1587286 -0.2749314 0.0000000), wk = 0.0050000
k( 161) = ( 0.1547604 -0.2680582 0.0000000), wk = 0.0050000
k( 162) = ( 0.1507921 -0.2611849 0.0000000), wk = 0.0050000
k( 163) = ( 0.1468239 -0.2543116 0.0000000), wk = 0.0050000
k( 164) = ( 0.1428557 -0.2474383 0.0000000), wk = 0.0050000
k( 165) = ( 0.1388875 -0.2405650 0.0000000), wk = 0.0050000
k( 166) = ( 0.1349193 -0.2336917 0.0000000), wk = 0.0050000
k( 167) = ( 0.1309511 -0.2268184 0.0000000), wk = 0.0050000
k( 168) = ( 0.1269829 -0.2199452 0.0000000), wk = 0.0050000
k( 169) = ( 0.1230146 -0.2130719 0.0000000), wk = 0.0050000
k( 170) = ( 0.1190464 -0.2061986 0.0000000), wk = 0.0050000
k( 171) = ( 0.1150782 -0.1993253 0.0000000), wk = 0.0050000
k( 172) = ( 0.1111100 -0.1924520 0.0000000), wk = 0.0050000
k( 173) = ( 0.1071418 -0.1855787 0.0000000), wk = 0.0050000
k( 174) = ( 0.1031736 -0.1787054 0.0000000), wk = 0.0050000
k( 175) = ( 0.0992054 -0.1718322 0.0000000), wk = 0.0050000
k( 176) = ( 0.0952371 -0.1649589 0.0000000), wk = 0.0050000
k( 177) = ( 0.0912689 -0.1580856 0.0000000), wk = 0.0050000
k( 178) = ( 0.0873007 -0.1512123 0.0000000), wk = 0.0050000
k( 179) = ( 0.0833325 -0.1443390 0.0000000), wk = 0.0050000
k( 180) = ( 0.0793643 -0.1374657 0.0000000), wk = 0.0050000
k( 181) = ( 0.0753961 -0.1305924 0.0000000), wk = 0.0050000
k( 182) = ( 0.0714279 -0.1237192 0.0000000), wk = 0.0050000
k( 183) = ( 0.0674596 -0.1168459 0.0000000), wk = 0.0050000
k( 184) = ( 0.0634914 -0.1099726 0.0000000), wk = 0.0050000
k( 185) = ( 0.0595232 -0.1030993 0.0000000), wk = 0.0050000
k( 186) = ( 0.0555550 -0.0962260 0.0000000), wk = 0.0050000
k( 187) = ( 0.0515868 -0.0893527 0.0000000), wk = 0.0050000
k( 188) = ( 0.0476186 -0.0824794 0.0000000), wk = 0.0050000
k( 189) = ( 0.0436504 -0.0756061 0.0000000), wk = 0.0050000
k( 190) = ( 0.0396821 -0.0687329 0.0000000), wk = 0.0050000
k( 191) = ( 0.0357139 -0.0618596 0.0000000), wk = 0.0050000
k( 192) = ( 0.0317457 -0.0549863 0.0000000), wk = 0.0050000
k( 193) = ( 0.0277775 -0.0481130 0.0000000), wk = 0.0050000
k( 194) = ( 0.0238093 -0.0412397 0.0000000), wk = 0.0050000
k( 195) = ( 0.0198411 -0.0343664 0.0000000), wk = 0.0050000
k( 196) = ( 0.0158729 -0.0274931 0.0000000), wk = 0.0050000
k( 197) = ( 0.0119046 -0.0206199 0.0000000), wk = 0.0050000
k( 198) = ( 0.0079364 -0.0137466 0.0000000), wk = 0.0050000
k( 199) = ( 0.0039682 -0.0068733 0.0000000), wk = 0.0050000
k( 200) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0050000
k( 201) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0050000
k( 202) = ( 0.0000000 -0.0079089 0.0000000), wk = 0.0050000
k( 203) = ( 0.0000000 -0.0158178 0.0000000), wk = 0.0050000
k( 204) = ( 0.0000000 -0.0237267 0.0000000), wk = 0.0050000
k( 205) = ( 0.0000000 -0.0316356 0.0000000), wk = 0.0050000
k( 206) = ( 0.0000000 -0.0395445 0.0000000), wk = 0.0050000
k( 207) = ( 0.0000000 -0.0474534 0.0000000), wk = 0.0050000
k( 208) = ( 0.0000000 -0.0553624 0.0000000), wk = 0.0050000
k( 209) = ( 0.0000000 -0.0632713 0.0000000), wk = 0.0050000
k( 210) = ( 0.0000000 -0.0711802 0.0000000), wk = 0.0050000
k( 211) = ( 0.0000000 -0.0790891 0.0000000), wk = 0.0050000
k( 212) = ( 0.0000000 -0.0869980 0.0000000), wk = 0.0050000
```



```
k( 213) = ( 0.0000000 -0.0949069 0.0000000), wk = 0.0050000
k( 214) = ( 0.0000000 -0.1028158 0.0000000), wk = 0.0050000
k( 215) = ( 0.0000000 -0.1107247 0.0000000), wk = 0.0050000
k( 216) = ( 0.0000000 -0.1186336 0.0000000), wk = 0.0050000
k( 217) = ( 0.0000000 -0.1265425 0.0000000), wk = 0.0050000
k( 218) = ( 0.0000000 -0.1344514 0.0000000), wk = 0.0050000
k( 219) = ( 0.0000000 -0.1423603 0.0000000), wk = 0.0050000
k( 220) = ( 0.0000000 -0.1502692 0.0000000), wk = 0.0050000
k( 221) = ( 0.0000000 -0.1581782 0.0000000), wk = 0.0050000
k( 222) = ( 0.0000000 -0.1660871 0.0000000), wk = 0.0050000
k( 223) = ( 0.0000000 -0.1739960 0.0000000), wk = 0.0050000
k( 224) = ( 0.0000000 -0.1819049 0.0000000), wk = 0.0050000
k( 225) = ( 0.0000000 -0.1898138 0.0000000), wk = 0.0050000
k( 226) = ( 0.0000000 -0.1977227 0.0000000), wk = 0.0050000
k( 227) = ( 0.0000000 -0.2056316 0.0000000), wk = 0.0050000
k( 228) = ( 0.0000000 -0.2135405 0.0000000), wk = 0.0050000
k( 229) = ( 0.0000000 -0.2214494 0.0000000), wk = 0.0050000
k( 230) = ( 0.0000000 -0.2293583 0.0000000), wk = 0.0050000
k( 231) = ( 0.0000000 -0.2372672 0.0000000), wk = 0.0050000
k( 232) = ( 0.0000000 -0.2451761 0.0000000), wk = 0.0050000
k( 233) = ( 0.0000000 -0.2530850 0.0000000), wk = 0.0050000
k( 234) = ( 0.0000000 -0.2609940 0.0000000), wk = 0.0050000
k( 235) = ( 0.0000000 -0.2689029 0.0000000), wk = 0.0050000
k( 236) = ( 0.0000000 -0.2768118 0.0000000), wk = 0.0050000
k( 237) = ( 0.0000000 -0.2847207 0.0000000), wk = 0.0050000
k( 238) = ( 0.0000000 -0.2926296 0.0000000), wk = 0.0050000
k( 239) = ( 0.0000000 -0.3005385 0.0000000), wk = 0.0050000
k( 240) = ( 0.0000000 -0.3084474 0.0000000), wk = 0.0050000
k( 241) = ( 0.0000000 -0.3163563 0.0000000), wk = 0.0050000
k( 242) = ( 0.0000000 -0.3242652 0.0000000), wk = 0.0050000
k( 243) = ( 0.0000000 -0.3321741 0.0000000), wk = 0.0050000
k( 244) = ( 0.0000000 -0.3400830 0.0000000), wk = 0.0050000
k( 245) = ( 0.0000000 -0.3479919 0.0000000), wk = 0.0050000
k( 246) = ( 0.0000000 -0.3559009 0.0000000), wk = 0.0050000
k( 247) = ( 0.0000000 -0.3638098 0.0000000), wk = 0.0050000
k( 248) = ( 0.0000000 -0.3717187 0.0000000), wk = 0.0050000
k( 249) = ( 0.0000000 -0.3796276 0.0000000), wk = 0.0050000
k( 250) = ( 0.0000000 -0.3875365 0.0000000), wk = 0.0050000
k( 251) = ( 0.0000000 -0.3954454 0.0000000), wk = 0.0050000
k( 252) = ( 0.0000000 -0.4033543 0.0000000), wk = 0.0050000
k( 253) = ( 0.0000000 -0.4112632 0.0000000), wk = 0.0050000
k( 254) = ( 0.0000000 -0.4191721 0.0000000), wk = 0.0050000
k( 255) = ( 0.0000000 -0.4270810 0.0000000), wk = 0.0050000
k( 256) = ( 0.0000000 -0.4349899 0.0000000), wk = 0.0050000
k( 257) = ( 0.0000000 -0.4428988 0.0000000), wk = 0.0050000
k( 258) = ( 0.0000000 -0.4508077 0.0000000), wk = 0.0050000
k( 259) = ( 0.0000000 -0.4587167 0.0000000), wk = 0.0050000
k( 260) = ( 0.0000000 -0.4666256 0.0000000), wk = 0.0050000
k( 261) = ( 0.0000000 -0.4745345 0.0000000), wk = 0.0050000
k( 262) = ( 0.0000000 -0.4824434 0.0000000), wk = 0.0050000
k( 263) = ( 0.0000000 -0.4903523 0.0000000), wk = 0.0050000
k( 264) = ( 0.0000000 -0.4982612 0.0000000), wk = 0.0050000
k( 265) = ( 0.0000000 -0.5061701 0.0000000), wk = 0.0050000
k( 266) = ( 0.0000000 -0.5140790 0.0000000), wk = 0.0050000
k( 267) = ( 0.0000000 -0.5219879 0.0000000), wk = 0.0050000
k( 268) = ( 0.0000000 -0.5298968 0.0000000), wk = 0.0050000
k( 269) = ( 0.0000000 -0.5378057 0.0000000), wk = 0.0050000
k( 270) = ( 0.0000000 -0.5457146 0.0000000), wk = 0.0050000
k( 271) = ( 0.0000000 -0.5536235 0.0000000), wk = 0.0050000
k( 272) = ( 0.0000000 -0.5615325 0.0000000), wk = 0.0050000
k( 273) = ( 0.0000000 -0.5694414 0.0000000), wk = 0.0050000
k( 274) = ( 0.0000000 -0.5773503 0.0000000), wk = 0.0050000
```

```
k( 275) = ( 0.0079364 -0.5773504 0.0000000), wk = 0.0050000
k( 276) = ( 0.0158729 -0.5773505 0.0000000), wk = 0.0050000
k( 277) = ( 0.0238093 -0.5773507 0.0000000), wk = 0.0050000
k( 278) = ( 0.0317457 -0.5773508 0.0000000), wk = 0.0050000
k( 279) = ( 0.0396821 -0.5773510 0.0000000), wk = 0.0050000
k( 280) = ( 0.0476186 -0.5773511 0.0000000), wk = 0.0050000
k( 281) = ( 0.0555550 -0.5773512 0.0000000), wk = 0.0050000
k( 282) = ( 0.0634914 -0.5773514 0.0000000), wk = 0.0050000
k( 283) = ( 0.0714279 -0.5773515 0.0000000), wk = 0.0050000
k( 284) = ( 0.0793643 -0.5773516 0.0000000), wk = 0.0050000
k( 285) = ( 0.0873007 -0.5773518 0.0000000), wk = 0.0050000
k( 286) = ( 0.0952371 -0.5773519 0.0000000), wk = 0.0050000
k( 287) = ( 0.1031736 -0.5773521 0.0000000), wk = 0.0050000
k( 288) = ( 0.1111100 -0.5773522 0.0000000), wk = 0.0050000
k( 289) = ( 0.1190464 -0.5773523 0.0000000), wk = 0.0050000
k( 290) = ( 0.1269829 -0.5773525 0.0000000), wk = 0.0050000
k( 291) = ( 0.1349193 -0.5773526 0.0000000), wk = 0.0050000
k( 292) = ( 0.1428557 -0.5773527 0.0000000), wk = 0.0050000
k( 293) = ( 0.1507921 -0.5773529 0.0000000), wk = 0.0050000
k( 294) = ( 0.1587286 -0.5773530 0.0000000), wk = 0.0050000
k( 295) = ( 0.1666650 -0.5773532 0.0000000), wk = 0.0050000
k( 296) = ( 0.1746014 -0.5773533 0.0000000), wk = 0.0050000
k( 297) = ( 0.1825379 -0.5773534 0.0000000), wk = 0.0050000
k( 298) = ( 0.1904743 -0.5773536 0.0000000), wk = 0.0050000
k( 299) = ( 0.1984107 -0.5773537 0.0000000), wk = 0.0050000
k( 300) = ( 0.2063471 -0.5773538 0.0000000), wk = 0.0050000
k( 301) = ( 0.2142836 -0.5773540 0.0000000), wk = 0.0050000
k( 302) = ( 0.2222200 -0.5773541 0.0000000), wk = 0.0050000
k( 303) = ( 0.2301564 -0.5773543 0.0000000), wk = 0.0050000
k( 304) = ( 0.2380929 -0.5773544 0.0000000), wk = 0.0050000
k( 305) = ( 0.2460293 -0.5773545 0.0000000), wk = 0.0050000
k( 306) = ( 0.2539657 -0.5773547 0.0000000), wk = 0.0050000
k( 307) = ( 0.2619021 -0.5773548 0.0000000), wk = 0.0050000
k( 308) = ( 0.2698386 -0.5773549 0.0000000), wk = 0.0050000
k( 309) = ( 0.2777750 -0.5773551 0.0000000), wk = 0.0050000
k( 310) = ( 0.2857114 -0.5773552 0.0000000), wk = 0.0050000
k( 311) = ( 0.2936479 -0.5773554 0.0000000), wk = 0.0050000
k( 312) = ( 0.3015843 -0.5773555 0.0000000), wk = 0.0050000
k( 313) = ( 0.3095207 -0.5773556 0.0000000), wk = 0.0050000
k( 314) = ( 0.3174571 -0.5773558 0.0000000), wk = 0.0050000
k( 315) = ( 0.3253936 -0.5773559 0.0000000), wk = 0.0050000
k( 316) = ( 0.3333300 -0.5773560 0.0000000), wk = 0.0050000
k( 317) = ( 0.3293618 -0.5704828 0.0000000), wk = 0.0050000
k( 318) = ( 0.3253936 -0.5636095 0.0000000), wk = 0.0050000
k( 319) = ( 0.3214254 -0.5567362 0.0000000), wk = 0.0050000
k( 320) = ( 0.3174571 -0.5498629 0.0000000), wk = 0.0050000
k( 321) = ( 0.3134889 -0.5429896 0.0000000), wk = 0.0050000
k( 322) = ( 0.3095207 -0.5361163 0.0000000), wk = 0.0050000
k( 323) = ( 0.3055525 -0.5292430 0.0000000), wk = 0.0050000
k( 324) = ( 0.3015843 -0.5223698 0.0000000), wk = 0.0050000
k( 325) = ( 0.2976161 -0.5154965 0.0000000), wk = 0.0050000
k( 326) = ( 0.2936479 -0.5086232 0.0000000), wk = 0.0050000
k( 327) = ( 0.2896796 -0.5017499 0.0000000), wk = 0.0050000
k( 328) = ( 0.2857114 -0.4948766 0.0000000), wk = 0.0050000
k( 329) = ( 0.2817432 -0.4880033 0.0000000), wk = 0.0050000
k( 330) = ( 0.2777750 -0.4811300 0.0000000), wk = 0.0050000
k( 331) = ( 0.2738068 -0.4742567 0.0000000), wk = 0.0050000
k( 332) = ( 0.2698386 -0.4673835 0.0000000), wk = 0.0050000
k( 333) = ( 0.2658704 -0.4605102 0.0000000), wk = 0.0050000
k( 334) = ( 0.2619021 -0.4536369 0.0000000), wk = 0.0050000
k( 335) = ( 0.2579339 -0.4467636 0.0000000), wk = 0.0050000
k( 336) = ( 0.2539657 -0.4398903 0.0000000), wk = 0.0050000
```

---

k( 337) = (	0.2499975	-0.4330170	0.0000000), wk =	0.0050000
k( 338) = (	0.2460293	-0.4261437	0.0000000), wk =	0.0050000
k( 339) = (	0.2420611	-0.4192705	0.0000000), wk =	0.0050000
k( 340) = (	0.2380929	-0.4123972	0.0000000), wk =	0.0050000
k( 341) = (	0.2341246	-0.4055239	0.0000000), wk =	0.0050000
k( 342) = (	0.2301564	-0.3986506	0.0000000), wk =	0.0050000
k( 343) = (	0.2261882	-0.3917773	0.0000000), wk =	0.0050000
k( 344) = (	0.2222200	-0.3849040	0.0000000), wk =	0.0050000
k( 345) = (	0.2182518	-0.3780307	0.0000000), wk =	0.0050000
k( 346) = (	0.2142836	-0.3711575	0.0000000), wk =	0.0050000
k( 347) = (	0.2103154	-0.3642842	0.0000000), wk =	0.0050000
k( 348) = (	0.2063471	-0.3574109	0.0000000), wk =	0.0050000
k( 349) = (	0.2023789	-0.3505376	0.0000000), wk =	0.0050000
k( 350) = (	0.1984107	-0.3436643	0.0000000), wk =	0.0050000
k( 351) = (	0.1944425	-0.3367910	0.0000000), wk =	0.0050000
k( 352) = (	0.1904743	-0.3299177	0.0000000), wk =	0.0050000
k( 353) = (	0.1865061	-0.3230445	0.0000000), wk =	0.0050000
k( 354) = (	0.1825379	-0.3161712	0.0000000), wk =	0.0050000
k( 355) = (	0.1785696	-0.3092979	0.0000000), wk =	0.0050000
k( 356) = (	0.1746014	-0.3024246	0.0000000), wk =	0.0050000
k( 357) = (	0.1706332	-0.2955513	0.0000000), wk =	0.0050000
k( 358) = (	0.1666650	-0.2886780	0.0000000), wk =	0.0050000
k( 359) = (	0.1626968	-0.2818047	0.0000000), wk =	0.0050000
k( 360) = (	0.1587286	-0.2749314	0.0000000), wk =	0.0050000
k( 361) = (	0.1547604	-0.2680582	0.0000000), wk =	0.0050000
k( 362) = (	0.1507921	-0.2611849	0.0000000), wk =	0.0050000
k( 363) = (	0.1468239	-0.2543116	0.0000000), wk =	0.0050000
k( 364) = (	0.1428557	-0.2474383	0.0000000), wk =	0.0050000
k( 365) = (	0.1388875	-0.2405650	0.0000000), wk =	0.0050000
k( 366) = (	0.1349193	-0.2336917	0.0000000), wk =	0.0050000
k( 367) = (	0.1309511	-0.2268184	0.0000000), wk =	0.0050000
k( 368) = (	0.1269829	-0.2199452	0.0000000), wk =	0.0050000
k( 369) = (	0.1230146	-0.2130719	0.0000000), wk =	0.0050000
k( 370) = (	0.1190464	-0.2061986	0.0000000), wk =	0.0050000
k( 371) = (	0.1150782	-0.1993253	0.0000000), wk =	0.0050000
k( 372) = (	0.1111100	-0.1924520	0.0000000), wk =	0.0050000
k( 373) = (	0.1071418	-0.1855787	0.0000000), wk =	0.0050000
k( 374) = (	0.1031736	-0.1787054	0.0000000), wk =	0.0050000
k( 375) = (	0.0992054	-0.1718322	0.0000000), wk =	0.0050000
k( 376) = (	0.0952371	-0.1649589	0.0000000), wk =	0.0050000
k( 377) = (	0.0912689	-0.1580856	0.0000000), wk =	0.0050000
k( 378) = (	0.0873007	-0.1512123	0.0000000), wk =	0.0050000
k( 379) = (	0.0833325	-0.1443390	0.0000000), wk =	0.0050000
k( 380) = (	0.0793643	-0.1374657	0.0000000), wk =	0.0050000
k( 381) = (	0.0753961	-0.1305924	0.0000000), wk =	0.0050000
k( 382) = (	0.0714279	-0.1237192	0.0000000), wk =	0.0050000
k( 383) = (	0.0674596	-0.1168459	0.0000000), wk =	0.0050000
k( 384) = (	0.0634914	-0.1099726	0.0000000), wk =	0.0050000
k( 385) = (	0.0595232	-0.1030993	0.0000000), wk =	0.0050000
k( 386) = (	0.0555550	-0.0962260	0.0000000), wk =	0.0050000
k( 387) = (	0.0515868	-0.0893527	0.0000000), wk =	0.0050000
k( 388) = (	0.0476186	-0.0824794	0.0000000), wk =	0.0050000
k( 389) = (	0.0436504	-0.0756061	0.0000000), wk =	0.0050000
k( 390) = (	0.0396821	-0.0687329	0.0000000), wk =	0.0050000
k( 391) = (	0.0357139	-0.0618596	0.0000000), wk =	0.0050000
k( 392) = (	0.0317457	-0.0549863	0.0000000), wk =	0.0050000
k( 393) = (	0.0277775	-0.0481130	0.0000000), wk =	0.0050000
k( 394) = (	0.0238093	-0.0412397	0.0000000), wk =	0.0050000
k( 395) = (	0.0198411	-0.0343664	0.0000000), wk =	0.0050000
k( 396) = (	0.0158729	-0.0274931	0.0000000), wk =	0.0050000
k( 397) = (	0.0119046	-0.0206199	0.0000000), wk =	0.0050000
k( 398) = (	0.0079364	-0.0137466	0.0000000), wk =	0.0050000

```
k( 399) = ( 0.0039682 -0.0068733 0.0000000), wk = 0.0050000
k( 400) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0050000
```

## cryst. coord.

```
k( 1) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0050000
k( 2) = ( 0.0000000 -0.0068493 0.0000000), wk = 0.0050000
k( 3) = ( 0.0000000 -0.0136986 0.0000000), wk = 0.0050000
k( 4) = ( 0.0000000 -0.0205479 0.0000000), wk = 0.0050000
k( 5) = ( 0.0000000 -0.0273973 0.0000000), wk = 0.0050000
k( 6) = ( 0.0000000 -0.0342466 0.0000000), wk = 0.0050000
k( 7) = ( 0.0000000 -0.0410959 0.0000000), wk = 0.0050000
k( 8) = ( 0.0000000 -0.0479452 0.0000000), wk = 0.0050000
k( 9) = ( 0.0000000 -0.0547945 0.0000000), wk = 0.0050000
k( 10) = ( 0.0000000 -0.0616438 0.0000000), wk = 0.0050000
k( 11) = ( 0.0000000 -0.0684932 0.0000000), wk = 0.0050000
k( 12) = ( 0.0000000 -0.0753425 0.0000000), wk = 0.0050000
k( 13) = ( 0.0000000 -0.0821918 0.0000000), wk = 0.0050000
k( 14) = ( 0.0000000 -0.0890411 0.0000000), wk = 0.0050000
k( 15) = ( 0.0000000 -0.0958904 0.0000000), wk = 0.0050000
k( 16) = ( 0.0000000 -0.1027397 0.0000000), wk = 0.0050000
k( 17) = ( 0.0000000 -0.1095890 0.0000000), wk = 0.0050000
k( 18) = ( 0.0000000 -0.1164384 0.0000000), wk = 0.0050000
k( 19) = ( 0.0000000 -0.1232877 0.0000000), wk = 0.0050000
k( 20) = ( 0.0000000 -0.1301370 0.0000000), wk = 0.0050000
k( 21) = ( 0.0000000 -0.1369863 0.0000000), wk = 0.0050000
k( 22) = ( 0.0000000 -0.1438356 0.0000000), wk = 0.0050000
k( 23) = ( 0.0000000 -0.1506849 0.0000000), wk = 0.0050000
k( 24) = ( 0.0000000 -0.1575342 0.0000000), wk = 0.0050000
k( 25) = ( 0.0000000 -0.1643836 0.0000000), wk = 0.0050000
k( 26) = ( 0.0000000 -0.1712329 0.0000000), wk = 0.0050000
k( 27) = ( 0.0000000 -0.1780822 0.0000000), wk = 0.0050000
k( 28) = ( 0.0000000 -0.1849315 0.0000000), wk = 0.0050000
k( 29) = ( 0.0000000 -0.1917808 0.0000000), wk = 0.0050000
k( 30) = ( 0.0000000 -0.1986301 0.0000000), wk = 0.0050000
k( 31) = ( 0.0000000 -0.2054795 0.0000000), wk = 0.0050000
k( 32) = ( 0.0000000 -0.2123288 0.0000000), wk = 0.0050000
k( 33) = ( 0.0000000 -0.2191781 0.0000000), wk = 0.0050000
k( 34) = ( 0.0000000 -0.2260274 0.0000000), wk = 0.0050000
k( 35) = ( 0.0000000 -0.2328767 0.0000000), wk = 0.0050000
k( 36) = ( 0.0000000 -0.2397260 0.0000000), wk = 0.0050000
k( 37) = ( 0.0000000 -0.2465753 0.0000000), wk = 0.0050000
k( 38) = ( 0.0000000 -0.2534247 0.0000000), wk = 0.0050000
k( 39) = ( 0.0000000 -0.2602740 0.0000000), wk = 0.0050000
k( 40) = ( 0.0000000 -0.2671233 0.0000000), wk = 0.0050000
k( 41) = ( 0.0000000 -0.2739726 0.0000000), wk = 0.0050000
k( 42) = ( 0.0000000 -0.2808219 0.0000000), wk = 0.0050000
k( 43) = ( 0.0000000 -0.2876712 0.0000000), wk = 0.0050000
k( 44) = ( 0.0000000 -0.2945205 0.0000000), wk = 0.0050000
k( 45) = ( 0.0000000 -0.3013699 0.0000000), wk = 0.0050000
k( 46) = ( 0.0000000 -0.3082192 0.0000000), wk = 0.0050000
k( 47) = ( 0.0000000 -0.3150685 0.0000000), wk = 0.0050000
k( 48) = ( 0.0000000 -0.3219178 0.0000000), wk = 0.0050000
k( 49) = ( 0.0000000 -0.3287671 0.0000000), wk = 0.0050000
k( 50) = ( 0.0000000 -0.3356164 0.0000000), wk = 0.0050000
k( 51) = ( 0.0000000 -0.3424658 0.0000000), wk = 0.0050000
k( 52) = ( 0.0000000 -0.3493151 0.0000000), wk = 0.0050000
k( 53) = ( 0.0000000 -0.3561644 0.0000000), wk = 0.0050000
k( 54) = ( 0.0000000 -0.3630137 0.0000000), wk = 0.0050000
k( 55) = ( 0.0000000 -0.3698630 0.0000000), wk = 0.0050000
k( 56) = ( 0.0000000 -0.3767123 0.0000000), wk = 0.0050000
k( 57) = ( 0.0000000 -0.3835616 0.0000000), wk = 0.0050000
k( 58) = ( 0.0000000 -0.3904110 0.0000000), wk = 0.0050000
```

```
k( 59) = ( 0.0000000 -0.3972603 0.0000000), wk = 0.0050000
k( 60) = ( 0.0000000 -0.4041096 0.0000000), wk = 0.0050000
k( 61) = ( 0.0000000 -0.4109589 0.0000000), wk = 0.0050000
k( 62) = ( 0.0000000 -0.4178082 0.0000000), wk = 0.0050000
k( 63) = ( 0.0000000 -0.4246575 0.0000000), wk = 0.0050000
k( 64) = ( 0.0000000 -0.4315068 0.0000000), wk = 0.0050000
k( 65) = ( 0.0000000 -0.4383562 0.0000000), wk = 0.0050000
k( 66) = ( 0.0000000 -0.4452055 0.0000000), wk = 0.0050000
k( 67) = ( 0.0000000 -0.4520548 0.0000000), wk = 0.0050000
k( 68) = ( 0.0000000 -0.4589041 0.0000000), wk = 0.0050000
k( 69) = ( 0.0000000 -0.4657534 0.0000000), wk = 0.0050000
k( 70) = ( 0.0000000 -0.4726027 0.0000000), wk = 0.0050000
k( 71) = ( 0.0000000 -0.4794521 0.0000000), wk = 0.0050000
k( 72) = ( 0.0000000 -0.4863014 0.0000000), wk = 0.0050000
k( 73) = ( 0.0000000 -0.4931507 0.0000000), wk = 0.0050000
k( 74) = ( 0.0000000 -0.5000000 0.0000000), wk = 0.0050000
k( 75) = ( 0.0079364 -0.5039683 0.0000000), wk = 0.0050000
k( 76) = ( 0.0158729 -0.5079367 0.0000000), wk = 0.0050000
k( 77) = ( 0.0238093 -0.5119050 0.0000000), wk = 0.0050000
k( 78) = ( 0.0317457 -0.5158733 0.0000000), wk = 0.0050000
k( 79) = ( 0.0396821 -0.5198417 0.0000000), wk = 0.0050000
k( 80) = ( 0.0476186 -0.5238100 0.0000000), wk = 0.0050000
k( 81) = ( 0.0555550 -0.5277783 0.0000000), wk = 0.0050000
k( 82) = ( 0.0634914 -0.5317467 0.0000000), wk = 0.0050000
k( 83) = ( 0.0714279 -0.5357150 0.0000000), wk = 0.0050000
k( 84) = ( 0.0793643 -0.5396833 0.0000000), wk = 0.0050000
k( 85) = ( 0.0873007 -0.5436517 0.0000000), wk = 0.0050000
k( 86) = ( 0.0952371 -0.5476200 0.0000000), wk = 0.0050000
k( 87) = ( 0.1031736 -0.5515883 0.0000000), wk = 0.0050000
k( 88) = ( 0.1111100 -0.5555567 0.0000000), wk = 0.0050000
k( 89) = ( 0.1190464 -0.5595250 0.0000000), wk = 0.0050000
k( 90) = ( 0.1269829 -0.5634933 0.0000000), wk = 0.0050000
k( 91) = ( 0.1349193 -0.5674617 0.0000000), wk = 0.0050000
k( 92) = ( 0.1428557 -0.5714300 0.0000000), wk = 0.0050000
k( 93) = ( 0.1507921 -0.5753983 0.0000000), wk = 0.0050000
k( 94) = ( 0.1587286 -0.5793667 0.0000000), wk = 0.0050000
k( 95) = ( 0.1666650 -0.5833350 0.0000000), wk = 0.0050000
k( 96) = ( 0.1746014 -0.5873033 0.0000000), wk = 0.0050000
k( 97) = ( 0.1825379 -0.5912717 0.0000000), wk = 0.0050000
k( 98) = ( 0.1904743 -0.5952400 0.0000000), wk = 0.0050000
k( 99) = ( 0.1984107 -0.5992083 0.0000000), wk = 0.0050000
k( 100) = ( 0.2063471 -0.6031767 0.0000000), wk = 0.0050000
k( 101) = ( 0.2142836 -0.6071450 0.0000000), wk = 0.0050000
k( 102) = ( 0.2222200 -0.6111133 0.0000000), wk = 0.0050000
k( 103) = ( 0.2301564 -0.6150817 0.0000000), wk = 0.0050000
k( 104) = ( 0.2380929 -0.6190500 0.0000000), wk = 0.0050000
k( 105) = ( 0.2460293 -0.6230183 0.0000000), wk = 0.0050000
k( 106) = ( 0.2539657 -0.6269867 0.0000000), wk = 0.0050000
k( 107) = ( 0.2619021 -0.6309550 0.0000000), wk = 0.0050000
k( 108) = ( 0.2698386 -0.6349233 0.0000000), wk = 0.0050000
k( 109) = ( 0.2777750 -0.6388917 0.0000000), wk = 0.0050000
k( 110) = ( 0.2857114 -0.6428600 0.0000000), wk = 0.0050000
k( 111) = ( 0.2936479 -0.6468283 0.0000000), wk = 0.0050000
k( 112) = ( 0.3015843 -0.6507967 0.0000000), wk = 0.0050000
k( 113) = ( 0.3095207 -0.6547650 0.0000000), wk = 0.0050000
k( 114) = ( 0.3174571 -0.6587333 0.0000000), wk = 0.0050000
k( 115) = ( 0.3253936 -0.6627017 0.0000000), wk = 0.0050000
k( 116) = ( 0.3333300 -0.6666700 0.0000000), wk = 0.0050000
k( 117) = ( 0.3293618 -0.6587335 0.0000000), wk = 0.0050000
k( 118) = ( 0.3253936 -0.6507969 0.0000000), wk = 0.0050000
k( 119) = ( 0.3214254 -0.6428604 0.0000000), wk = 0.0050000
k( 120) = ( 0.3174571 -0.6349238 0.0000000), wk = 0.0050000
```

---

k( 121) = (	0.3134889	-0.6269873	0.0000000), wk =	0.0050000
k( 122) = (	0.3095207	-0.6190507	0.0000000), wk =	0.0050000
k( 123) = (	0.3055525	-0.6111142	0.0000000), wk =	0.0050000
k( 124) = (	0.3015843	-0.6031776	0.0000000), wk =	0.0050000
k( 125) = (	0.2976161	-0.5952411	0.0000000), wk =	0.0050000
k( 126) = (	0.2936479	-0.5873045	0.0000000), wk =	0.0050000
k( 127) = (	0.2896796	-0.5793680	0.0000000), wk =	0.0050000
k( 128) = (	0.2857114	-0.5714314	0.0000000), wk =	0.0050000
k( 129) = (	0.2817432	-0.5634949	0.0000000), wk =	0.0050000
k( 130) = (	0.2777750	-0.5555583	0.0000000), wk =	0.0050000
k( 131) = (	0.2738068	-0.5476218	0.0000000), wk =	0.0050000
k( 132) = (	0.2698386	-0.5396852	0.0000000), wk =	0.0050000
k( 133) = (	0.2658704	-0.5317487	0.0000000), wk =	0.0050000
k( 134) = (	0.2619021	-0.5238121	0.0000000), wk =	0.0050000
k( 135) = (	0.2579339	-0.5158756	0.0000000), wk =	0.0050000
k( 136) = (	0.2539657	-0.5079390	0.0000000), wk =	0.0050000
k( 137) = (	0.2499975	-0.5000025	0.0000000), wk =	0.0050000
k( 138) = (	0.2460293	-0.4920660	0.0000000), wk =	0.0050000
k( 139) = (	0.2420611	-0.4841294	0.0000000), wk =	0.0050000
k( 140) = (	0.2380929	-0.4761929	0.0000000), wk =	0.0050000
k( 141) = (	0.2341246	-0.4682563	0.0000000), wk =	0.0050000
k( 142) = (	0.2301564	-0.4603198	0.0000000), wk =	0.0050000
k( 143) = (	0.2261882	-0.4523832	0.0000000), wk =	0.0050000
k( 144) = (	0.2222200	-0.4444467	0.0000000), wk =	0.0050000
k( 145) = (	0.2182518	-0.4365101	0.0000000), wk =	0.0050000
k( 146) = (	0.2142836	-0.4285736	0.0000000), wk =	0.0050000
k( 147) = (	0.2103154	-0.4206370	0.0000000), wk =	0.0050000
k( 148) = (	0.2063471	-0.4127005	0.0000000), wk =	0.0050000
k( 149) = (	0.2023789	-0.4047639	0.0000000), wk =	0.0050000
k( 150) = (	0.1984107	-0.3968274	0.0000000), wk =	0.0050000
k( 151) = (	0.1944425	-0.3888908	0.0000000), wk =	0.0050000
k( 152) = (	0.1904743	-0.3809543	0.0000000), wk =	0.0050000
k( 153) = (	0.1865061	-0.3730177	0.0000000), wk =	0.0050000
k( 154) = (	0.1825379	-0.3650812	0.0000000), wk =	0.0050000
k( 155) = (	0.1785696	-0.3571446	0.0000000), wk =	0.0050000
k( 156) = (	0.1746014	-0.3492081	0.0000000), wk =	0.0050000
k( 157) = (	0.1706332	-0.3412715	0.0000000), wk =	0.0050000
k( 158) = (	0.1666650	-0.3333350	0.0000000), wk =	0.0050000
k( 159) = (	0.1626968	-0.3253985	0.0000000), wk =	0.0050000
k( 160) = (	0.1587286	-0.3174619	0.0000000), wk =	0.0050000
k( 161) = (	0.1547604	-0.3095254	0.0000000), wk =	0.0050000
k( 162) = (	0.1507921	-0.3015888	0.0000000), wk =	0.0050000
k( 163) = (	0.1468239	-0.2936523	0.0000000), wk =	0.0050000
k( 164) = (	0.1428557	-0.2857157	0.0000000), wk =	0.0050000
k( 165) = (	0.1388875	-0.2777792	0.0000000), wk =	0.0050000
k( 166) = (	0.1349193	-0.2698426	0.0000000), wk =	0.0050000
k( 167) = (	0.1309511	-0.2619061	0.0000000), wk =	0.0050000
k( 168) = (	0.1269829	-0.2539695	0.0000000), wk =	0.0050000
k( 169) = (	0.1230146	-0.2460330	0.0000000), wk =	0.0050000
k( 170) = (	0.1190464	-0.2380964	0.0000000), wk =	0.0050000
k( 171) = (	0.1150782	-0.2301599	0.0000000), wk =	0.0050000
k( 172) = (	0.1111100	-0.2222233	0.0000000), wk =	0.0050000
k( 173) = (	0.1071418	-0.2142868	0.0000000), wk =	0.0050000
k( 174) = (	0.1031736	-0.2063502	0.0000000), wk =	0.0050000
k( 175) = (	0.0992054	-0.1984137	0.0000000), wk =	0.0050000
k( 176) = (	0.0952371	-0.1904771	0.0000000), wk =	0.0050000
k( 177) = (	0.0912689	-0.1825406	0.0000000), wk =	0.0050000
k( 178) = (	0.0873007	-0.1746040	0.0000000), wk =	0.0050000
k( 179) = (	0.0833325	-0.1666675	0.0000000), wk =	0.0050000
k( 180) = (	0.0793643	-0.1587310	0.0000000), wk =	0.0050000
k( 181) = (	0.0753961	-0.1507944	0.0000000), wk =	0.0050000
k( 182) = (	0.0714279	-0.1428579	0.0000000), wk =	0.0050000

```
k( 183) = ( 0.0674596 -0.1349213 0.0000000), wk = 0.0050000
k( 184) = ( 0.0634914 -0.1269848 0.0000000), wk = 0.0050000
k( 185) = ( 0.0595232 -0.1190482 0.0000000), wk = 0.0050000
k( 186) = ( 0.0555550 -0.1111117 0.0000000), wk = 0.0050000
k( 187) = ( 0.0515868 -0.1031751 0.0000000), wk = 0.0050000
k( 188) = ( 0.0476186 -0.0952386 0.0000000), wk = 0.0050000
k( 189) = ( 0.0436504 -0.0873020 0.0000000), wk = 0.0050000
k( 190) = ( 0.0396821 -0.0793655 0.0000000), wk = 0.0050000
k( 191) = ( 0.0357139 -0.0714289 0.0000000), wk = 0.0050000
k( 192) = ( 0.0317457 -0.0634924 0.0000000), wk = 0.0050000
k( 193) = ( 0.0277775 -0.0555558 0.0000000), wk = 0.0050000
k( 194) = ( 0.0238093 -0.0476193 0.0000000), wk = 0.0050000
k( 195) = ( 0.0198411 -0.0396827 0.0000000), wk = 0.0050000
k( 196) = ( 0.0158729 -0.0317462 0.0000000), wk = 0.0050000
k( 197) = ( 0.0119046 -0.0238096 0.0000000), wk = 0.0050000
k( 198) = ( 0.0079364 -0.0158731 0.0000000), wk = 0.0050000
k( 199) = ( 0.0039682 -0.0079365 0.0000000), wk = 0.0050000
k( 200) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0050000
k( 201) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0050000
k( 202) = ( 0.0000000 -0.0068493 0.0000000), wk = 0.0050000
k( 203) = ( 0.0000000 -0.0136986 0.0000000), wk = 0.0050000
k( 204) = ( 0.0000000 -0.0205479 0.0000000), wk = 0.0050000
k( 205) = ( 0.0000000 -0.0273973 0.0000000), wk = 0.0050000
k( 206) = ( 0.0000000 -0.0342466 0.0000000), wk = 0.0050000
k( 207) = ( 0.0000000 -0.0410959 0.0000000), wk = 0.0050000
k( 208) = ( 0.0000000 -0.0479452 0.0000000), wk = 0.0050000
k( 209) = ( 0.0000000 -0.0547945 0.0000000), wk = 0.0050000
k( 210) = ( 0.0000000 -0.0616438 0.0000000), wk = 0.0050000
k( 211) = ( 0.0000000 -0.0684932 0.0000000), wk = 0.0050000
k( 212) = ( 0.0000000 -0.0753425 0.0000000), wk = 0.0050000
k( 213) = ( 0.0000000 -0.0821918 0.0000000), wk = 0.0050000
k( 214) = ( 0.0000000 -0.0890411 0.0000000), wk = 0.0050000
k( 215) = ( 0.0000000 -0.0958904 0.0000000), wk = 0.0050000
k( 216) = ( 0.0000000 -0.1027397 0.0000000), wk = 0.0050000
k( 217) = ( 0.0000000 -0.1095890 0.0000000), wk = 0.0050000
k( 218) = ( 0.0000000 -0.1164384 0.0000000), wk = 0.0050000
k( 219) = ( 0.0000000 -0.1232877 0.0000000), wk = 0.0050000
k( 220) = ( 0.0000000 -0.1301370 0.0000000), wk = 0.0050000
k( 221) = ( 0.0000000 -0.1369863 0.0000000), wk = 0.0050000
k( 222) = ( 0.0000000 -0.1438356 0.0000000), wk = 0.0050000
k( 223) = ( 0.0000000 -0.1506849 0.0000000), wk = 0.0050000
k( 224) = ( 0.0000000 -0.1575342 0.0000000), wk = 0.0050000
k( 225) = ( 0.0000000 -0.1643836 0.0000000), wk = 0.0050000
k( 226) = ( 0.0000000 -0.1712329 0.0000000), wk = 0.0050000
k( 227) = ( 0.0000000 -0.1780822 0.0000000), wk = 0.0050000
k( 228) = ( 0.0000000 -0.1849315 0.0000000), wk = 0.0050000
k( 229) = ( 0.0000000 -0.1917808 0.0000000), wk = 0.0050000
k( 230) = ( 0.0000000 -0.1986301 0.0000000), wk = 0.0050000
k( 231) = ( 0.0000000 -0.2054795 0.0000000), wk = 0.0050000
k( 232) = ( 0.0000000 -0.2123288 0.0000000), wk = 0.0050000
k( 233) = ( 0.0000000 -0.2191781 0.0000000), wk = 0.0050000
k( 234) = ( 0.0000000 -0.2260274 0.0000000), wk = 0.0050000
k( 235) = ( 0.0000000 -0.2328767 0.0000000), wk = 0.0050000
k( 236) = ( 0.0000000 -0.2397260 0.0000000), wk = 0.0050000
k( 237) = ( 0.0000000 -0.2465753 0.0000000), wk = 0.0050000
k( 238) = ( 0.0000000 -0.2534247 0.0000000), wk = 0.0050000
k( 239) = ( 0.0000000 -0.2602740 0.0000000), wk = 0.0050000
k( 240) = ( 0.0000000 -0.2671233 0.0000000), wk = 0.0050000
k( 241) = ( 0.0000000 -0.2739726 0.0000000), wk = 0.0050000
k( 242) = ( 0.0000000 -0.2808219 0.0000000), wk = 0.0050000
k( 243) = ( 0.0000000 -0.2876712 0.0000000), wk = 0.0050000
k( 244) = ( 0.0000000 -0.2945205 0.0000000), wk = 0.0050000
```

```
k( 245) = ( 0.0000000 -0.3013699 0.0000000), wk = 0.0050000
k( 246) = ( 0.0000000 -0.3082192 0.0000000), wk = 0.0050000
k( 247) = ( 0.0000000 -0.3150685 0.0000000), wk = 0.0050000
k( 248) = ( 0.0000000 -0.3219178 0.0000000), wk = 0.0050000
k( 249) = ( 0.0000000 -0.3287671 0.0000000), wk = 0.0050000
k( 250) = ( 0.0000000 -0.3356164 0.0000000), wk = 0.0050000
k( 251) = ( 0.0000000 -0.3424658 0.0000000), wk = 0.0050000
k( 252) = ( 0.0000000 -0.3493151 0.0000000), wk = 0.0050000
k( 253) = ( 0.0000000 -0.3561644 0.0000000), wk = 0.0050000
k( 254) = ( 0.0000000 -0.3630137 0.0000000), wk = 0.0050000
k( 255) = ( 0.0000000 -0.3698630 0.0000000), wk = 0.0050000
k( 256) = ( 0.0000000 -0.3767123 0.0000000), wk = 0.0050000
k( 257) = ( 0.0000000 -0.3835616 0.0000000), wk = 0.0050000
k( 258) = ( 0.0000000 -0.3904110 0.0000000), wk = 0.0050000
k( 259) = ( 0.0000000 -0.3972603 0.0000000), wk = 0.0050000
k( 260) = ( 0.0000000 -0.4041096 0.0000000), wk = 0.0050000
k( 261) = ( 0.0000000 -0.4109589 0.0000000), wk = 0.0050000
k( 262) = ( 0.0000000 -0.4178082 0.0000000), wk = 0.0050000
k( 263) = ( 0.0000000 -0.4246575 0.0000000), wk = 0.0050000
k( 264) = ( 0.0000000 -0.4315068 0.0000000), wk = 0.0050000
k( 265) = ( 0.0000000 -0.4383562 0.0000000), wk = 0.0050000
k( 266) = ( 0.0000000 -0.4452055 0.0000000), wk = 0.0050000
k( 267) = ( 0.0000000 -0.4520548 0.0000000), wk = 0.0050000
k( 268) = ( 0.0000000 -0.4589041 0.0000000), wk = 0.0050000
k( 269) = ( 0.0000000 -0.4657534 0.0000000), wk = 0.0050000
k( 270) = ( 0.0000000 -0.4726027 0.0000000), wk = 0.0050000
k( 271) = ( 0.0000000 -0.4794521 0.0000000), wk = 0.0050000
k( 272) = ( 0.0000000 -0.4863014 0.0000000), wk = 0.0050000
k( 273) = ( 0.0000000 -0.4931507 0.0000000), wk = 0.0050000
k( 274) = ( 0.0000000 -0.5000000 0.0000000), wk = 0.0050000
k( 275) = ( 0.0079364 -0.5039683 0.0000000), wk = 0.0050000
k( 276) = ( 0.0158729 -0.5079367 0.0000000), wk = 0.0050000
k( 277) = ( 0.0238093 -0.5119050 0.0000000), wk = 0.0050000
k( 278) = ( 0.0317457 -0.5158733 0.0000000), wk = 0.0050000
k( 279) = ( 0.0396821 -0.5198417 0.0000000), wk = 0.0050000
k( 280) = ( 0.0476186 -0.5238100 0.0000000), wk = 0.0050000
k( 281) = ( 0.0555550 -0.5277783 0.0000000), wk = 0.0050000
k( 282) = ( 0.0634914 -0.5317467 0.0000000), wk = 0.0050000
k( 283) = ( 0.0714279 -0.5357150 0.0000000), wk = 0.0050000
k( 284) = ( 0.0793643 -0.5396833 0.0000000), wk = 0.0050000
k( 285) = ( 0.0873007 -0.5436517 0.0000000), wk = 0.0050000
k( 286) = ( 0.0952371 -0.5476200 0.0000000), wk = 0.0050000
k( 287) = ( 0.1031736 -0.5515883 0.0000000), wk = 0.0050000
k( 288) = ( 0.1111100 -0.5555567 0.0000000), wk = 0.0050000
k( 289) = ( 0.1190464 -0.5595250 0.0000000), wk = 0.0050000
k( 290) = ( 0.1269829 -0.5634933 0.0000000), wk = 0.0050000
k( 291) = ( 0.1349193 -0.5674617 0.0000000), wk = 0.0050000
k( 292) = ( 0.1428557 -0.5714300 0.0000000), wk = 0.0050000
k( 293) = ( 0.1507921 -0.5753983 0.0000000), wk = 0.0050000
k( 294) = ( 0.1587286 -0.5793667 0.0000000), wk = 0.0050000
k( 295) = ( 0.1666650 -0.5833350 0.0000000), wk = 0.0050000
k( 296) = ( 0.1746014 -0.5873033 0.0000000), wk = 0.0050000
k( 297) = ( 0.1825379 -0.5912717 0.0000000), wk = 0.0050000
k( 298) = ( 0.1904743 -0.5952400 0.0000000), wk = 0.0050000
k( 299) = ( 0.1984107 -0.5992083 0.0000000), wk = 0.0050000
k( 300) = ( 0.2063471 -0.6031767 0.0000000), wk = 0.0050000
k( 301) = ( 0.2142836 -0.6071450 0.0000000), wk = 0.0050000
k( 302) = ( 0.2222200 -0.6111133 0.0000000), wk = 0.0050000
k( 303) = ( 0.2301564 -0.6150817 0.0000000), wk = 0.0050000
k( 304) = ( 0.2380929 -0.6190500 0.0000000), wk = 0.0050000
k( 305) = ( 0.2460293 -0.6230183 0.0000000), wk = 0.0050000
k( 306) = ( 0.2539657 -0.6269867 0.0000000), wk = 0.0050000
```



```
k( 307) = ( 0.2619021 -0.6309550 0.0000000), wk = 0.0050000
k( 308) = ( 0.2698386 -0.6349233 0.0000000), wk = 0.0050000
k( 309) = ( 0.2777750 -0.6388917 0.0000000), wk = 0.0050000
k( 310) = ( 0.2857114 -0.6428600 0.0000000), wk = 0.0050000
k( 311) = ( 0.2936479 -0.6468283 0.0000000), wk = 0.0050000
k( 312) = ( 0.3015843 -0.6507967 0.0000000), wk = 0.0050000
k( 313) = ( 0.3095207 -0.6547650 0.0000000), wk = 0.0050000
k( 314) = ( 0.3174571 -0.6587333 0.0000000), wk = 0.0050000
k( 315) = ( 0.3253936 -0.6627017 0.0000000), wk = 0.0050000
k( 316) = ( 0.3333300 -0.6666700 0.0000000), wk = 0.0050000
k( 317) = ( 0.3293618 -0.6587335 0.0000000), wk = 0.0050000
k( 318) = ( 0.3253936 -0.6507969 0.0000000), wk = 0.0050000
k( 319) = ( 0.3214254 -0.6428604 0.0000000), wk = 0.0050000
k( 320) = ( 0.3174571 -0.6349238 0.0000000), wk = 0.0050000
k( 321) = ( 0.3134889 -0.6269873 0.0000000), wk = 0.0050000
k( 322) = ( 0.3095207 -0.6190507 0.0000000), wk = 0.0050000
k( 323) = ( 0.3055525 -0.6111142 0.0000000), wk = 0.0050000
k( 324) = ( 0.3015843 -0.6031776 0.0000000), wk = 0.0050000
k( 325) = ( 0.2976161 -0.5952411 0.0000000), wk = 0.0050000
k( 326) = ( 0.2936479 -0.5873045 0.0000000), wk = 0.0050000
k( 327) = ( 0.2896796 -0.5793680 0.0000000), wk = 0.0050000
k( 328) = ( 0.2857114 -0.5714314 0.0000000), wk = 0.0050000
k( 329) = ( 0.2817432 -0.5634949 0.0000000), wk = 0.0050000
k( 330) = ( 0.2777750 -0.5555583 0.0000000), wk = 0.0050000
k( 331) = ( 0.2738068 -0.5476218 0.0000000), wk = 0.0050000
k( 332) = ( 0.2698386 -0.5396852 0.0000000), wk = 0.0050000
k( 333) = ( 0.2658704 -0.5317487 0.0000000), wk = 0.0050000
k( 334) = ( 0.2619021 -0.5238121 0.0000000), wk = 0.0050000
k( 335) = ( 0.2579339 -0.5158756 0.0000000), wk = 0.0050000
k( 336) = ( 0.2539657 -0.5079390 0.0000000), wk = 0.0050000
k( 337) = ( 0.2499975 -0.5000025 0.0000000), wk = 0.0050000
k( 338) = ( 0.2460293 -0.4920660 0.0000000), wk = 0.0050000
k( 339) = ( 0.2420611 -0.4841294 0.0000000), wk = 0.0050000
k( 340) = ( 0.2380929 -0.4761929 0.0000000), wk = 0.0050000
k( 341) = ( 0.2341246 -0.4682563 0.0000000), wk = 0.0050000
k( 342) = ( 0.2301564 -0.4603198 0.0000000), wk = 0.0050000
k( 343) = ( 0.2261882 -0.4523832 0.0000000), wk = 0.0050000
k( 344) = ( 0.2222200 -0.4444467 0.0000000), wk = 0.0050000
k( 345) = ( 0.2182518 -0.4365101 0.0000000), wk = 0.0050000
k( 346) = ( 0.2142836 -0.4285736 0.0000000), wk = 0.0050000
k( 347) = ( 0.2103154 -0.4206370 0.0000000), wk = 0.0050000
k( 348) = ( 0.2063471 -0.4127005 0.0000000), wk = 0.0050000
k( 349) = ( 0.2023789 -0.4047639 0.0000000), wk = 0.0050000
k( 350) = ( 0.1984107 -0.3968274 0.0000000), wk = 0.0050000
k( 351) = ( 0.1944425 -0.3888908 0.0000000), wk = 0.0050000
k( 352) = ( 0.1904743 -0.3809543 0.0000000), wk = 0.0050000
k( 353) = ( 0.1865061 -0.3730177 0.0000000), wk = 0.0050000
k( 354) = ( 0.1825379 -0.3650812 0.0000000), wk = 0.0050000
k( 355) = ( 0.1785696 -0.3571446 0.0000000), wk = 0.0050000
k( 356) = ( 0.1746014 -0.3492081 0.0000000), wk = 0.0050000
k( 357) = ( 0.1706332 -0.3412715 0.0000000), wk = 0.0050000
k( 358) = ( 0.1666650 -0.3333350 0.0000000), wk = 0.0050000
k( 359) = ( 0.1626968 -0.3253985 0.0000000), wk = 0.0050000
k( 360) = ( 0.1587286 -0.3174619 0.0000000), wk = 0.0050000
k( 361) = ( 0.1547604 -0.3095254 0.0000000), wk = 0.0050000
k( 362) = ( 0.1507921 -0.3015888 0.0000000), wk = 0.0050000
k( 363) = ( 0.1468239 -0.2936523 0.0000000), wk = 0.0050000
k( 364) = ( 0.1428557 -0.2857157 0.0000000), wk = 0.0050000
k( 365) = ( 0.1388875 -0.2777792 0.0000000), wk = 0.0050000
k( 366) = ( 0.1349193 -0.2698426 0.0000000), wk = 0.0050000
k( 367) = ( 0.1309511 -0.2619061 0.0000000), wk = 0.0050000
k( 368) = ( 0.1269829 -0.2539695 0.0000000), wk = 0.0050000
```

```

k( 369) = ( 0.1230146 -0.2460330 0.0000000), wk = 0.0050000
k( 370) = ( 0.1190464 -0.2380964 0.0000000), wk = 0.0050000
k( 371) = ( 0.1150782 -0.2301599 0.0000000), wk = 0.0050000
k( 372) = ( 0.1111100 -0.2222233 0.0000000), wk = 0.0050000
k( 373) = ( 0.1071418 -0.2142868 0.0000000), wk = 0.0050000
k( 374) = ( 0.1031736 -0.2063502 0.0000000), wk = 0.0050000
k( 375) = ( 0.0992054 -0.1984137 0.0000000), wk = 0.0050000
k( 376) = ( 0.0952371 -0.1904771 0.0000000), wk = 0.0050000
k( 377) = ( 0.0912689 -0.1825406 0.0000000), wk = 0.0050000
k( 378) = ( 0.0873007 -0.1746040 0.0000000), wk = 0.0050000
k( 379) = ( 0.0833325 -0.1666675 0.0000000), wk = 0.0050000
k( 380) = ( 0.0793643 -0.1587310 0.0000000), wk = 0.0050000
k( 381) = ( 0.0753961 -0.1507944 0.0000000), wk = 0.0050000
k( 382) = ( 0.0714279 -0.1428579 0.0000000), wk = 0.0050000
k( 383) = ( 0.0674596 -0.1349213 0.0000000), wk = 0.0050000
k( 384) = ( 0.0634914 -0.1269848 0.0000000), wk = 0.0050000
k( 385) = ( 0.0595232 -0.1190482 0.0000000), wk = 0.0050000
k( 386) = ( 0.0555550 -0.1111117 0.0000000), wk = 0.0050000
k( 387) = ( 0.0515868 -0.1031751 0.0000000), wk = 0.0050000
k( 388) = ( 0.0476186 -0.0952386 0.0000000), wk = 0.0050000
k( 389) = ( 0.0436504 -0.0873020 0.0000000), wk = 0.0050000
k( 390) = ( 0.0396821 -0.0793655 0.0000000), wk = 0.0050000
k( 391) = ( 0.0357139 -0.0714289 0.0000000), wk = 0.0050000
k( 392) = ( 0.0317457 -0.0634924 0.0000000), wk = 0.0050000
k( 393) = ( 0.0277775 -0.0555558 0.0000000), wk = 0.0050000
k( 394) = ( 0.0238093 -0.0476193 0.0000000), wk = 0.0050000
k( 395) = ( 0.0198411 -0.0396827 0.0000000), wk = 0.0050000
k( 396) = ( 0.0158729 -0.0317462 0.0000000), wk = 0.0050000
k( 397) = ( 0.0119046 -0.0238096 0.0000000), wk = 0.0050000
k( 398) = ( 0.0079364 -0.0158731 0.0000000), wk = 0.0050000
k( 399) = ( 0.0039682 -0.0079365 0.0000000), wk = 0.0050000
k( 400) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0050000

```

Dense grid: 2049049 G-vectors FFT dimensions: ( 120, 120, 360)

Smooth grid: 518527 G-vectors FFT dimensions: ( 75, 75, 225)

	est. size (Mb)	dimensions
Largest allocated arrays		
Kohn-Sham Wavefunctions	19.08 Mb	( 8119, 154)
NL pseudopotentials	63.43 Mb	( 8119, 512)
Each V/rho on FFT grid	19.78 Mb	( 648000, 2)
Each G-vector array	1.95 Mb	( 256128)
G-vector shells	0.06 Mb	( 7983)
Largest temporary arrays		
Auxiliary wavefunctions	76.31 Mb	( 8119, 616)
Each subspace H/S matrix	1.45 Mb	( 308, 308)
Each <psi_i beta_j> matrix	1.20 Mb	( 512, 154)

Check: negative/imaginary core charge= -0.000004 0.000000

The potential is recalculated from file :  
./tmp-hetero/A.save/charge-density.dat

negative rho (up, down): 9.152E-04 9.150E-04  
Starting wfc are 256 randomized atomic wfcs

Band Structure Calculation  
Davidson diagonalization with overlap

Computing kpt #: 1  
total cpu time spent up to now is 635.2 secs

```
Computing kpt #:      2
total cpu time spent up to now is      1243.1 secs

Computing kpt #:      3
total cpu time spent up to now is      1811.4 secs

Computing kpt #:      4
total cpu time spent up to now is      2377.9 secs

Computing kpt #:      5
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is      2988.2 secs

Computing kpt #:      6
total cpu time spent up to now is      3542.6 secs

Computing kpt #:      7
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is      4170.5 secs

Computing kpt #:      8
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is      4767.1 secs

Computing kpt #:      9
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is      5363.8 secs

Computing kpt #:     10
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is      5953.1 secs

Computing kpt #:     11
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is      6546.5 secs

Computing kpt #:     12
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is      7141.4 secs

Computing kpt #:     13
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is      7734.2 secs

Computing kpt #:     14
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is      8328.8 secs

Computing kpt #:     15
total cpu time spent up to now is      8919.2 secs

Computing kpt #:     16
total cpu time spent up to now is      9483.3 secs

Computing kpt #:     17
total cpu time spent up to now is      9969.0 secs

Computing kpt #:     18
total cpu time spent up to now is     10421.3 secs

Computing kpt #:     19
```

---

total cpu time spent up to now is	10868.6 secs
Computing kpt #: 20	
total cpu time spent up to now is	11318.1 secs
Computing kpt #: 21	
total cpu time spent up to now is	11765.6 secs
Computing kpt #: 22	
total cpu time spent up to now is	12207.2 secs
Computing kpt #: 23	
total cpu time spent up to now is	12644.3 secs
Computing kpt #: 24	
total cpu time spent up to now is	13132.2 secs
Computing kpt #: 25	
total cpu time spent up to now is	13621.6 secs
Computing kpt #: 26	
total cpu time spent up to now is	14149.6 secs
Computing kpt #: 27	
c_bands: 1 eigenvalues not converged	
total cpu time spent up to now is	14731.5 secs
Computing kpt #: 28	
total cpu time spent up to now is	15315.9 secs
Computing kpt #: 29	
total cpu time spent up to now is	15805.0 secs
Computing kpt #: 30	
total cpu time spent up to now is	16289.1 secs
Computing kpt #: 31	
total cpu time spent up to now is	16771.2 secs
Computing kpt #: 32	
total cpu time spent up to now is	17235.0 secs
Computing kpt #: 33	
total cpu time spent up to now is	17681.1 secs
Computing kpt #: 34	
total cpu time spent up to now is	18171.3 secs
Computing kpt #: 35	
total cpu time spent up to now is	18612.8 secs
Computing kpt #: 36	
total cpu time spent up to now is	19057.1 secs
Computing kpt #: 37	
total cpu time spent up to now is	19506.7 secs
Computing kpt #: 38	
total cpu time spent up to now is	19963.2 secs
Computing kpt #: 39	
total cpu time spent up to now is	20409.0 secs

```
Computing kpt #: 40
total cpu time spent up to now is 20852.5 secs

Computing kpt #: 41
total cpu time spent up to now is 21303.7 secs

Computing kpt #: 42
total cpu time spent up to now is 21759.9 secs

Computing kpt #: 43
total cpu time spent up to now is 22160.0 secs

Computing kpt #: 44
total cpu time spent up to now is 22568.3 secs

Computing kpt #: 45
total cpu time spent up to now is 22970.0 secs

Computing kpt #: 46
total cpu time spent up to now is 23391.1 secs

Computing kpt #: 47
total cpu time spent up to now is 23790.8 secs

Computing kpt #: 48
total cpu time spent up to now is 24192.3 secs

Computing kpt #: 49
total cpu time spent up to now is 24684.1 secs

Computing kpt #: 50
total cpu time spent up to now is 25297.0 secs

Computing kpt #: 51
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 25904.2 secs

Computing kpt #: 52
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 26513.9 secs

Computing kpt #: 53
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 27142.0 secs

Computing kpt #: 54
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 27746.0 secs

Computing kpt #: 55
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 28353.5 secs

Computing kpt #: 56
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 28970.1 secs

Computing kpt #: 57
total cpu time spent up to now is 29574.1 secs

Computing kpt #: 58
```

---

total cpu time spent up to now is	30180.3 secs
Computing kpt #: 59	
total cpu time spent up to now is	30701.1 secs
Computing kpt #: 60	
total cpu time spent up to now is	31200.6 secs
Computing kpt #: 61	
total cpu time spent up to now is	31702.0 secs
Computing kpt #: 62	
total cpu time spent up to now is	32173.2 secs
Computing kpt #: 63	
total cpu time spent up to now is	32657.3 secs
Computing kpt #: 64	
total cpu time spent up to now is	33103.8 secs
Computing kpt #: 65	
total cpu time spent up to now is	33548.8 secs
Computing kpt #: 66	
total cpu time spent up to now is	33985.0 secs
Computing kpt #: 67	
total cpu time spent up to now is	34437.9 secs
Computing kpt #: 68	
total cpu time spent up to now is	34892.2 secs
Computing kpt #: 69	
total cpu time spent up to now is	35336.7 secs
Computing kpt #: 70	
total cpu time spent up to now is	35781.1 secs
Computing kpt #: 71	
total cpu time spent up to now is	36219.6 secs
Computing kpt #: 72	
total cpu time spent up to now is	36642.7 secs
Computing kpt #: 73	
total cpu time spent up to now is	37047.6 secs
Computing kpt #: 74	
total cpu time spent up to now is	37448.6 secs
Computing kpt #: 75	
total cpu time spent up to now is	37858.0 secs
Computing kpt #: 76	
total cpu time spent up to now is	38316.4 secs
Computing kpt #: 77	
total cpu time spent up to now is	38766.6 secs
Computing kpt #: 78	
total cpu time spent up to now is	39169.9 secs

---

Computing kpt #:	79
total cpu time spent up to now is	39576.7 secs
Computing kpt #:	80
total cpu time spent up to now is	40025.1 secs
Computing kpt #:	81
total cpu time spent up to now is	40492.1 secs
Computing kpt #:	82
total cpu time spent up to now is	40944.0 secs
Computing kpt #:	83
total cpu time spent up to now is	41392.0 secs
Computing kpt #:	84
total cpu time spent up to now is	41851.3 secs
Computing kpt #:	85
total cpu time spent up to now is	42319.5 secs
Computing kpt #:	86
total cpu time spent up to now is	42762.8 secs
Computing kpt #:	87
total cpu time spent up to now is	43202.6 secs
Computing kpt #:	88
total cpu time spent up to now is	43647.9 secs
Computing kpt #:	89
total cpu time spent up to now is	44111.2 secs
Computing kpt #:	90
total cpu time spent up to now is	44574.1 secs
Computing kpt #:	91
total cpu time spent up to now is	45019.5 secs
Computing kpt #:	92
total cpu time spent up to now is	45474.5 secs
Computing kpt #:	93
total cpu time spent up to now is	45929.8 secs
Computing kpt #:	94
c_bands: 1 eigenvalues not converged	
total cpu time spent up to now is	46577.2 secs
Computing kpt #:	95
total cpu time spent up to now is	46991.0 secs
Computing kpt #:	96
total cpu time spent up to now is	47412.1 secs
Computing kpt #:	97
total cpu time spent up to now is	47842.7 secs
Computing kpt #:	98
total cpu time spent up to now is	48276.7 secs
Computing kpt #:	99

total cpu time spent up to now is 48702.8 secs

Computing kpt #: 100  
total cpu time spent up to now is 49164.4 secs

Computing kpt #: 101  
total cpu time spent up to now is 49637.3 secs

Computing kpt #: 102  
total cpu time spent up to now is 50248.0 secs

Computing kpt #: 103  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 50863.1 secs

Computing kpt #: 104  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 51499.0 secs

Computing kpt #: 105  
total cpu time spent up to now is 52007.7 secs

Computing kpt #: 106  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 52617.6 secs

Computing kpt #: 107  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 53242.1 secs

Computing kpt #: 108  
total cpu time spent up to now is 53841.0 secs

Computing kpt #: 109  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 54434.3 secs

Computing kpt #: 110  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 55032.7 secs

Computing kpt #: 111  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 55655.7 secs

Computing kpt #: 112  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 56260.7 secs

Computing kpt #: 113  
total cpu time spent up to now is 56764.6 secs

Computing kpt #: 114  
total cpu time spent up to now is 57225.9 secs

Computing kpt #: 115  
total cpu time spent up to now is 57698.3 secs

Computing kpt #: 116  
total cpu time spent up to now is 58151.8 secs

Computing kpt #: 117



total cpu time spent up to now is 58606.3 secs

Computing kpt #: 118

total cpu time spent up to now is 59066.3 secs

Computing kpt #: 119

total cpu time spent up to now is 59542.2 secs

Computing kpt #: 120

c\_bands: 1 eigenvalues not converged

total cpu time spent up to now is 60156.3 secs

Computing kpt #: 121

total cpu time spent up to now is 60613.8 secs

Computing kpt #: 122

total cpu time spent up to now is 61139.8 secs

Computing kpt #: 123

total cpu time spent up to now is 61648.3 secs

Computing kpt #: 124

total cpu time spent up to now is 62198.9 secs

Computing kpt #: 125

total cpu time spent up to now is 62668.8 secs

Computing kpt #: 126

total cpu time spent up to now is 63142.3 secs

Computing kpt #: 127

total cpu time spent up to now is 63648.4 secs

Computing kpt #: 128

total cpu time spent up to now is 64155.5 secs

Computing kpt #: 129

total cpu time spent up to now is 64720.2 secs

Computing kpt #: 130

total cpu time spent up to now is 65317.4 secs

Computing kpt #: 131

total cpu time spent up to now is 65831.8 secs

Computing kpt #: 132

total cpu time spent up to now is 66361.2 secs

Computing kpt #: 133

total cpu time spent up to now is 66908.7 secs

Computing kpt #: 134

total cpu time spent up to now is 67460.1 secs

Computing kpt #: 135

c\_bands: 1 eigenvalues not converged

total cpu time spent up to now is 68064.2 secs

Computing kpt #: 136

total cpu time spent up to now is 68622.4 secs

Computing kpt #: 137

total cpu time spent up to now is 69136.4 secs

Computing kpt #: 138  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 69751.7 secs

Computing kpt #: 139  
total cpu time spent up to now is 70313.5 secs

Computing kpt #: 140  
total cpu time spent up to now is 70907.0 secs

Computing kpt #: 141  
total cpu time spent up to now is 71514.9 secs

Computing kpt #: 142  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 72118.7 secs

Computing kpt #: 143  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 72738.2 secs

Computing kpt #: 144  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 73341.6 secs

Computing kpt #: 145  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 73945.9 secs

Computing kpt #: 146  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 74571.7 secs

Computing kpt #: 147  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 75178.9 secs

Computing kpt #: 148  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 75787.7 secs

Computing kpt #: 149  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 76406.9 secs

Computing kpt #: 150  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 77015.8 secs

Computing kpt #: 151  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 77622.6 secs

Computing kpt #: 152  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 78231.6 secs

Computing kpt #: 153  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 78857.1 secs

Computing kpt #: 154  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 79463.5 secs

Computing kpt #: 155  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 80074.8 secs

Computing kpt #: 156  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 80695.7 secs

Computing kpt #: 157  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 81306.6 secs

Computing kpt #: 158  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 81922.5 secs

Computing kpt #: 159  
total cpu time spent up to now is 82392.4 secs

Computing kpt #: 160  
total cpu time spent up to now is 82895.3 secs

Computing kpt #: 161  
total cpu time spent up to now is 83358.4 secs

Computing kpt #: 162  
total cpu time spent up to now is 83885.6 secs

Computing kpt #: 163  
total cpu time spent up to now is 84355.5 secs

Computing kpt #: 164  
total cpu time spent up to now is 84818.0 secs

Computing kpt #: 165  
total cpu time spent up to now is 85320.8 secs

Computing kpt #: 166  
total cpu time spent up to now is 85838.5 secs

Computing kpt #: 167  
c\_bands: 2 eigenvalues not converged  
total cpu time spent up to now is 86463.0 secs

Computing kpt #: 168  
c\_bands: 2 eigenvalues not converged  
total cpu time spent up to now is 87086.2 secs

Computing kpt #: 169  
total cpu time spent up to now is 87653.0 secs

Computing kpt #: 170  
total cpu time spent up to now is 88157.2 secs

Computing kpt #: 171  
total cpu time spent up to now is 88710.5 secs

---

```
Computing kpt #: 172
total cpu time spent up to now is 89281.1 secs

Computing kpt #: 173
total cpu time spent up to now is 89835.8 secs

Computing kpt #: 174
total cpu time spent up to now is 90400.9 secs

Computing kpt #: 175
total cpu time spent up to now is 90918.9 secs

Computing kpt #: 176
total cpu time spent up to now is 91481.2 secs

Computing kpt #: 177
total cpu time spent up to now is 91980.7 secs

Computing kpt #: 178
total cpu time spent up to now is 92609.6 secs

Computing kpt #: 179
total cpu time spent up to now is 93191.7 secs

Computing kpt #: 180
c_bands: 2 eigenvalues not converged
total cpu time spent up to now is 93814.3 secs

Computing kpt #: 181
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 94438.6 secs

Computing kpt #: 182
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 95054.5 secs

Computing kpt #: 183
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 95657.4 secs

Computing kpt #: 184
total cpu time spent up to now is 96241.0 secs

Computing kpt #: 185
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 96851.6 secs

Computing kpt #: 186
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 97463.1 secs

Computing kpt #: 187
total cpu time spent up to now is 98064.5 secs

Computing kpt #: 188
total cpu time spent up to now is 98577.5 secs

Computing kpt #: 189
total cpu time spent up to now is 99029.9 secs

Computing kpt #: 190
total cpu time spent up to now is 99579.3 secs
```

Computing kpt #: 191  
total cpu time spent up to now is 100126.7 secs

Computing kpt #: 192  
total cpu time spent up to now is 100698.8 secs

Computing kpt #: 193  
total cpu time spent up to now is 101163.1 secs

Computing kpt #: 194  
total cpu time spent up to now is 101621.4 secs

Computing kpt #: 195  
total cpu time spent up to now is 102087.3 secs

Computing kpt #: 196  
total cpu time spent up to now is 102606.2 secs

Computing kpt #: 197  
total cpu time spent up to now is 103150.9 secs

Computing kpt #: 198  
c\_bands: 2 eigenvalues not converged  
total cpu time spent up to now is 103797.6 secs

Computing kpt #: 199  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 104429.2 secs

Computing kpt #: 200  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 105056.9 secs

Computing kpt #: 201  
total cpu time spent up to now is 105639.6 secs

Computing kpt #: 202  
total cpu time spent up to now is 106261.1 secs

Computing kpt #: 203  
total cpu time spent up to now is 106778.6 secs

Computing kpt #: 204  
total cpu time spent up to now is 107309.8 secs

Computing kpt #: 205  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 107934.4 secs

Computing kpt #: 206  
c\_bands: 2 eigenvalues not converged  
total cpu time spent up to now is 108560.2 secs

Computing kpt #: 207  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 109174.7 secs

Computing kpt #: 208  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 109802.3 secs

Computing kpt #: 209  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 110409.7 secs

Computing kpt #: 210  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 111021.9 secs

Computing kpt #: 211  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 111645.6 secs

Computing kpt #: 212  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 112246.0 secs

Computing kpt #: 213  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 112855.5 secs

Computing kpt #: 214  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 113484.1 secs

Computing kpt #: 215  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 114096.4 secs

Computing kpt #: 216  
total cpu time spent up to now is 114597.2 secs

Computing kpt #: 217  
total cpu time spent up to now is 115122.5 secs

Computing kpt #: 218  
total cpu time spent up to now is 115575.8 secs

Computing kpt #: 219  
total cpu time spent up to now is 116033.9 secs

Computing kpt #: 220  
total cpu time spent up to now is 116487.1 secs

Computing kpt #: 221  
total cpu time spent up to now is 116958.5 secs

Computing kpt #: 222  
total cpu time spent up to now is 117406.3 secs

Computing kpt #: 223  
total cpu time spent up to now is 117864.6 secs

Computing kpt #: 224  
total cpu time spent up to now is 118362.8 secs

Computing kpt #: 225  
total cpu time spent up to now is 118872.2 secs

Computing kpt #: 226  
total cpu time spent up to now is 119410.1 secs

Computing kpt #: 227

total cpu time spent up to now is 120007.5 secs

Computing kpt #: 228  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 120603.8 secs

Computing kpt #: 229  
total cpu time spent up to now is 121156.2 secs

Computing kpt #: 230  
total cpu time spent up to now is 121641.7 secs

Computing kpt #: 231  
total cpu time spent up to now is 122129.0 secs

Computing kpt #: 232  
total cpu time spent up to now is 122584.8 secs

Computing kpt #: 233  
total cpu time spent up to now is 123033.2 secs

Computing kpt #: 234  
total cpu time spent up to now is 123495.6 secs

Computing kpt #: 235  
total cpu time spent up to now is 123947.1 secs

Computing kpt #: 236  
total cpu time spent up to now is 124398.0 secs

Computing kpt #: 237  
total cpu time spent up to now is 124850.9 secs

Computing kpt #: 238  
total cpu time spent up to now is 125293.5 secs

Computing kpt #: 239  
total cpu time spent up to now is 125736.2 secs

Computing kpt #: 240  
total cpu time spent up to now is 126196.3 secs

Computing kpt #: 241  
total cpu time spent up to now is 126596.4 secs

Computing kpt #: 242  
total cpu time spent up to now is 126995.1 secs

Computing kpt #: 243  
total cpu time spent up to now is 127436.0 secs

Computing kpt #: 244  
total cpu time spent up to now is 127836.8 secs

Computing kpt #: 245  
total cpu time spent up to now is 128236.6 secs

Computing kpt #: 246  
total cpu time spent up to now is 128642.9 secs

Computing kpt #: 247  
total cpu time spent up to now is 129052.6 secs

Computing kpt #: 248  
total cpu time spent up to now is 129453.4 secs

Computing kpt #: 249  
total cpu time spent up to now is 129949.9 secs

Computing kpt #: 250  
total cpu time spent up to now is 130500.8 secs

Computing kpt #: 251  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 131106.1 secs

Computing kpt #: 252  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 131734.0 secs

Computing kpt #: 253  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 132344.2 secs

Computing kpt #: 254  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 132950.8 secs

Computing kpt #: 255  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 133559.9 secs

Computing kpt #: 256  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 134180.9 secs

Computing kpt #: 257  
total cpu time spent up to now is 134787.4 secs

Computing kpt #: 258  
total cpu time spent up to now is 135388.8 secs

Computing kpt #: 259  
total cpu time spent up to now is 135941.4 secs

Computing kpt #: 260  
total cpu time spent up to now is 136457.4 secs

Computing kpt #: 261  
total cpu time spent up to now is 136921.8 secs

Computing kpt #: 262  
total cpu time spent up to now is 137385.5 secs

Computing kpt #: 263  
total cpu time spent up to now is 137840.3 secs

Computing kpt #: 264  
total cpu time spent up to now is 138311.2 secs

Computing kpt #: 265  
total cpu time spent up to now is 138768.3 secs

Computing kpt #: 266



---

```
total cpu time spent up to now is 139222.6 secs

Computing kpt #: 267
total cpu time spent up to now is 139679.4 secs

Computing kpt #: 268
total cpu time spent up to now is 140135.6 secs

Computing kpt #: 269
total cpu time spent up to now is 140604.0 secs

Computing kpt #: 270
total cpu time spent up to now is 141067.0 secs

Computing kpt #: 271
total cpu time spent up to now is 141476.5 secs

Computing kpt #: 272
total cpu time spent up to now is 141931.3 secs

Computing kpt #: 273
total cpu time spent up to now is 142337.6 secs

Computing kpt #: 274
total cpu time spent up to now is 142743.6 secs

Computing kpt #: 275
total cpu time spent up to now is 143149.2 secs

Computing kpt #: 276
total cpu time spent up to now is 143552.4 secs

Computing kpt #: 277
total cpu time spent up to now is 143955.7 secs

Computing kpt #: 278
total cpu time spent up to now is 144366.5 secs

Computing kpt #: 279
total cpu time spent up to now is 144811.4 secs

Computing kpt #: 280
total cpu time spent up to now is 145259.7 secs

Computing kpt #: 281
total cpu time spent up to now is 145708.5 secs

Computing kpt #: 282
total cpu time spent up to now is 146137.0 secs

Computing kpt #: 283
total cpu time spent up to now is 146592.9 secs

Computing kpt #: 284
total cpu time spent up to now is 147091.1 secs

Computing kpt #: 285
total cpu time spent up to now is 147536.1 secs

Computing kpt #: 286
total cpu time spent up to now is 147944.2 secs
```

```
Computing kpt #: 287
total cpu time spent up to now is 148397.8 secs

Computing kpt #: 288
total cpu time spent up to now is 148868.6 secs

Computing kpt #: 289
total cpu time spent up to now is 149330.6 secs

Computing kpt #: 290
total cpu time spent up to now is 149786.3 secs

Computing kpt #: 291
total cpu time spent up to now is 150240.5 secs

Computing kpt #: 292
total cpu time spent up to now is 150702.2 secs

Computing kpt #: 293
total cpu time spent up to now is 151180.3 secs

Computing kpt #: 294
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 151804.8 secs

Computing kpt #: 295
total cpu time spent up to now is 152222.1 secs

Computing kpt #: 296
total cpu time spent up to now is 152686.9 secs

Computing kpt #: 297
total cpu time spent up to now is 153115.2 secs

Computing kpt #: 298
total cpu time spent up to now is 153536.5 secs

Computing kpt #: 299
total cpu time spent up to now is 153995.9 secs

Computing kpt #: 300
total cpu time spent up to now is 154410.0 secs

Computing kpt #: 301
total cpu time spent up to now is 154884.9 secs

Computing kpt #: 302
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 155502.5 secs

Computing kpt #: 303
total cpu time spent up to now is 155919.3 secs

Computing kpt #: 304
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 156541.4 secs

Computing kpt #: 305
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 157157.3 secs

Computing kpt #: 306
```

total cpu time spent up to now is 157667.1 secs

Computing kpt #: 307

total cpu time spent up to now is 158223.6 secs

Computing kpt #: 308

c\_bands: 1 eigenvalues not converged

total cpu time spent up to now is 158840.2 secs

Computing kpt #: 309

c\_bands: 1 eigenvalues not converged

total cpu time spent up to now is 159454.3 secs

Computing kpt #: 310

c\_bands: 1 eigenvalues not converged

total cpu time spent up to now is 160079.0 secs

Computing kpt #: 311

total cpu time spent up to now is 160631.4 secs

Computing kpt #: 312

c\_bands: 1 eigenvalues not converged

total cpu time spent up to now is 161238.8 secs

Computing kpt #: 313

total cpu time spent up to now is 161741.8 secs

Computing kpt #: 314

total cpu time spent up to now is 162224.6 secs

Computing kpt #: 315

total cpu time spent up to now is 162687.3 secs

Computing kpt #: 316

total cpu time spent up to now is 163144.6 secs

Computing kpt #: 317

total cpu time spent up to now is 163653.4 secs

Computing kpt #: 318

total cpu time spent up to now is 164157.9 secs

Computing kpt #: 319

total cpu time spent up to now is 164689.1 secs

Computing kpt #: 320

total cpu time spent up to now is 165299.8 secs

Computing kpt #: 321

total cpu time spent up to now is 165808.4 secs

Computing kpt #: 322

total cpu time spent up to now is 166360.9 secs

Computing kpt #: 323

total cpu time spent up to now is 166837.1 secs

Computing kpt #: 324

total cpu time spent up to now is 167437.1 secs

Computing kpt #: 325

total cpu time spent up to now is 168010.6 secs

Computing kpt #: 326  
total cpu time spent up to now is 168492.1 secs

Computing kpt #: 327  
total cpu time spent up to now is 169054.6 secs

Computing kpt #: 328  
total cpu time spent up to now is 169528.5 secs

Computing kpt #: 329  
total cpu time spent up to now is 170036.3 secs

Computing kpt #: 330  
total cpu time spent up to now is 170546.8 secs

Computing kpt #: 331  
total cpu time spent up to now is 171169.2 secs

Computing kpt #: 332  
total cpu time spent up to now is 171780.6 secs

Computing kpt #: 333  
total cpu time spent up to now is 172329.8 secs

Computing kpt #: 334  
total cpu time spent up to now is 172846.3 secs

Computing kpt #: 335  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 173460.0 secs

Computing kpt #: 336  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 174064.7 secs

Computing kpt #: 337  
total cpu time spent up to now is 174648.4 secs

Computing kpt #: 338  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 175247.6 secs

Computing kpt #: 339  
total cpu time spent up to now is 175845.4 secs

Computing kpt #: 340  
total cpu time spent up to now is 176433.3 secs

Computing kpt #: 341  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 177029.0 secs

Computing kpt #: 342  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 177623.0 secs

Computing kpt #: 343  
total cpu time spent up to now is 178172.9 secs

Computing kpt #: 344  
c\_bands: 1 eigenvalues not converged

total cpu time spent up to now is 178787.9 secs

Computing kpt #: 345  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 179385.0 secs

Computing kpt #: 346  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 179983.8 secs

Computing kpt #: 347  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 180584.1 secs

Computing kpt #: 348  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 181205.0 secs

Computing kpt #: 349  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 181807.7 secs

Computing kpt #: 350  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 182337.0 secs

Computing kpt #: 351  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 182816.7 secs

Computing kpt #: 352  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 183300.7 secs

Computing kpt #: 353  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 183778.4 secs

Computing kpt #: 354  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 184259.0 secs

Computing kpt #: 355  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 184737.3 secs

Computing kpt #: 356  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 185228.8 secs

Computing kpt #: 357  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 185708.4 secs

Computing kpt #: 358  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 186184.0 secs

Computing kpt #: 359  
total cpu time spent up to now is 186565.7 secs

Computing kpt #: 360

---

```
total cpu time spent up to now is 186934.1 secs

Computing kpt #: 361
total cpu time spent up to now is 187329.1 secs

Computing kpt #: 362
total cpu time spent up to now is 187735.5 secs

Computing kpt #: 363
total cpu time spent up to now is 188146.3 secs

Computing kpt #: 364
total cpu time spent up to now is 188582.7 secs

Computing kpt #: 365
total cpu time spent up to now is 188978.9 secs

Computing kpt #: 366
total cpu time spent up to now is 189390.4 secs

Computing kpt #: 367
total cpu time spent up to now is 189875.7 secs

Computing kpt #: 368
c_bands: 2 eigenvalues not converged
total cpu time spent up to now is 190361.0 secs

Computing kpt #: 369
total cpu time spent up to now is 190797.8 secs

Computing kpt #: 370
total cpu time spent up to now is 191267.9 secs

Computing kpt #: 371
total cpu time spent up to now is 191665.3 secs

Computing kpt #: 372
total cpu time spent up to now is 192122.5 secs

Computing kpt #: 373
total cpu time spent up to now is 192511.3 secs

Computing kpt #: 374
total cpu time spent up to now is 192949.4 secs

Computing kpt #: 375
total cpu time spent up to now is 193386.0 secs

Computing kpt #: 376
total cpu time spent up to now is 193818.8 secs

Computing kpt #: 377
total cpu time spent up to now is 194266.9 secs

Computing kpt #: 378
total cpu time spent up to now is 194703.1 secs

Computing kpt #: 379
total cpu time spent up to now is 195165.1 secs

Computing kpt #: 380
c_bands: 2 eigenvalues not converged
```

total cpu time spent up to now is 195654.3 secs

Computing kpt #: 381  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 196141.3 secs

Computing kpt #: 382  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 196626.9 secs

Computing kpt #: 383  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 197123.9 secs

Computing kpt #: 384  
c\_bands: 1 eigenvalues not converged  
total cpu time spent up to now is 197619.7 secs

Computing kpt #: 385  
total cpu time spent up to now is 198052.1 secs

Computing kpt #: 386  
total cpu time spent up to now is 198456.8 secs

Computing kpt #: 387  
total cpu time spent up to now is 198900.8 secs

Computing kpt #: 388  
c\_bands: 2 eigenvalues not converged  
total cpu time spent up to now is 199387.2 secs

Computing kpt #: 389  
total cpu time spent up to now is 199823.5 secs

Computing kpt #: 390  
total cpu time spent up to now is 200245.4 secs

Computing kpt #: 391  
total cpu time spent up to now is 200685.4 secs

Computing kpt #: 392  
total cpu time spent up to now is 201128.3 secs

Computing kpt #: 393  
total cpu time spent up to now is 201505.6 secs

Computing kpt #: 394  
total cpu time spent up to now is 201881.3 secs

Computing kpt #: 395  
total cpu time spent up to now is 202246.8 secs

Computing kpt #: 396  
total cpu time spent up to now is 202669.7 secs

Computing kpt #: 397  
total cpu time spent up to now is 203122.3 secs

Computing kpt #: 398  
c\_bands: 2 eigenvalues not converged  
total cpu time spent up to now is 203632.9 secs

Computing kpt #: 399  
total cpu time spent up to now is 204088.9 secs

Computing kpt #: 400  
total cpu time spent up to now is 204536.9 secs

ethr = 3.91E-10, avg # of iterations = 78.5

total cpu time spent up to now is 204537.0 secs

End of band structure calculation

----- SPIN UP -----

k = 0.0000 0.0000 0.0000 ( 64705 PWs) bands (ev):

-21.5840	-21.4724	-20.1857	-20.1849	-20.1840	-20.1836	-20.1832	-20.1819
-20.0352	-20.0347	-20.0334	-20.0300	-20.0288	-20.0285	-18.0865	-18.0859
-18.0845	-18.0840	-18.0832	-18.0827	-17.9322	-17.9311	-17.9302	-17.0361
-17.0351	-17.0344	-17.0340	-17.0314	-17.0296	-15.8730	-15.8679	-15.8658
-15.1619	-15.1613	-15.1602	-12.3856	-12.3849	-12.3841	-12.0358	-12.0288
-12.0221	-12.0198	-12.0136	-12.0096	-11.0283	-11.0280	-11.0280	-11.0273
-11.0268	-11.0258	-10.7556	-10.7539	-10.7514	-10.7505	-10.7485	-10.7465
-9.5967	-9.0371	-9.0368	-9.0362	-9.0356	-9.0351	-9.0349	-8.9546
-8.8820	-8.8762	-8.8721	-8.8706	-8.8704	-8.8608	-8.1098	-8.1092
-8.1084	-8.1082	-8.1072	-8.1068	-7.9952	-7.9930	-7.9857	-7.7098
-7.7079	-7.7045	-7.7034	-7.7030	-7.7007	-7.2577	-7.2572	-7.2568
-7.1816	-7.1811	-7.1806	-7.1796	-7.1795	-7.1775	-6.5071	-6.5066
-6.5052	-6.5046	-6.4979	-6.4975	-5.9118	-5.9113	-5.9100	-5.9095
-5.9091	-5.9072	-4.2968	-4.2920	-4.2721	-4.2720	-4.2699	-4.2665
-4.2660	-4.2630	-4.2105	-4.2102	-4.2099	-4.2092	-4.2086	-4.2084
-4.0370	-4.0367	-3.9517	-3.9509	-3.9506	-3.8175	-3.8164	-3.8153
0.4509	0.4522	0.4540	1.3470	1.7545	1.7796	1.7962	1.7973
1.8078	1.8166	1.8845	2.1192	2.2151	2.2154	2.2159	2.5855
2.6806	3.4241	3.4245	3.4257	3.4259	3.4264	3.4264	3.4620
3.4700	3.4745						

k = 0.0000-0.0079 0.0000 ( 64671 PWs) bands (ev):

-21.5839	-21.4723	-20.2007	-20.1928	-20.1917	-20.1759	-20.1750	-20.1669
-20.0534	-20.0425	-20.0416	-20.0221	-20.0208	-20.0098	-18.1016	-18.1003
-18.0849	-18.0840	-18.0686	-18.0675	-17.9323	-17.9312	-17.9303	-17.0646
-17.0614	-17.0340	-17.0336	-17.0050	-17.0016	-15.8735	-15.8700	-15.8663
-15.1613	-15.1598	-15.1587	-12.3854	-12.3847	-12.3839	-12.0539	-12.0454
-12.0226	-12.0217	-11.9967	-11.9916	-11.0454	-11.0448	-11.0279	-11.0273
-11.0099	-11.0092	-10.7787	-10.7755	-10.7510	-10.7497	-10.7261	-10.7227
-9.5966	-9.0548	-9.0543	-9.0359	-9.0353	-9.0173	-9.0169	-8.9546
-8.9196	-8.8981	-8.8937	-8.8515	-8.8462	-8.8228	-8.1498	-8.1293
-8.1289	-8.0876	-8.0873	-8.0666	-7.9954	-7.9929	-7.9859	-7.7303
-7.7188	-7.7158	-7.6935	-7.6912	-7.6792	-7.2578	-7.2572	-7.2569
-7.2033	-7.1920	-7.1910	-7.1687	-7.1678	-7.1565	-6.5233	-6.5161
-6.5080	-6.4975	-6.4891	-6.4857	-5.9265	-5.9188	-5.9178	-5.9022
-5.9009	-5.8931	-4.3030	-4.2982	-4.2953	-4.2912	-4.2686	-4.2677
-4.2400	-4.2361	-4.2346	-4.2341	-4.2097	-4.2090	-4.1843	-4.1835
-4.0372	-4.0369	-3.9519	-3.9511	-3.9507	-3.8177	-3.8167	-3.8154
0.4511	0.4526	0.4544	1.3471	1.7359	1.7625	1.7866	1.7976
1.8277	1.8413	1.8846	2.1193	2.2153	2.2157	2.2162	2.5856
2.6807	3.4010	3.4012	3.4250	3.4256	3.4435	3.4499	3.4502
3.4653	3.4733						

k = 0.0000-0.0158 0.0000 ( 64661 PWs) bands (ev):



-21.5837	-21.4721	-20.2174	-20.2010	-20.2000	-20.1673	-20.1664	-20.1501
-20.0739	-20.0528	-20.0522	-20.0110	-20.0101	-19.9888	-18.1180	-18.1168
-18.0849	-18.0840	-18.0524	-18.0513	-17.9326	-17.9314	-17.9304	-17.0942
-17.0910	-17.0337	-17.0334	-16.9751	-16.9717	-15.8766	-15.8749	-15.8679
-15.1594	-15.1579	-15.1520	-12.3850	-12.3843	-12.3832	-12.0792	-12.0711
-12.0245	-12.0243	-11.9729	-11.9668	-11.0631	-11.0624	-11.0288	-11.0281
-10.9920	-10.9914	-10.8040	-10.8007	-10.7486	-10.7471	-10.6993	-10.6960
-9.5964	-9.0731	-9.0726	-9.0350	-9.0343	-8.9983	-8.9978	-8.9666
-8.9541	-8.9217	-8.9172	-8.8280	-8.8227	-8.7762	-8.1914	-8.1501
-8.1498	-8.0669	-8.0666	-8.0251	-7.9961	-7.9927	-7.9866	-7.7548
-7.7310	-7.7281	-7.6808	-7.6784	-7.6543	-7.2583	-7.2575	-7.2569
-7.2263	-7.2034	-7.2024	-7.1568	-7.1559	-7.1331	-6.5417	-6.5260
-6.5179	-6.4889	-6.4805	-6.4672	-5.9429	-5.9276	-5.9265	-5.8944
-5.8932	-5.8765	-4.3332	-4.3282	-4.2970	-4.2925	-4.2689	-4.2676
-4.2598	-4.2594	-4.2110	-4.2093	-4.2089	-4.2048	-4.1586	-4.1574
-4.0379	-4.0374	-3.9526	-3.9515	-3.9508	-3.8188	-3.8172	-3.8158
0.4515	0.4535	0.4559	1.3474	1.7036	1.7278	1.7858	1.7971
1.8596	1.8766	1.8849	2.1196	2.2156	2.2162	2.2173	2.5859
2.6810	3.3767	3.3769	3.4185	3.4246	3.4252	3.4527	3.4575
3.4746	3.4749						

k = 0.0000-0.0237 0.0000 ( 64643 PWs) bands (ev):

-21.5833	-21.4718	-20.2339	-20.2091	-20.2081	-20.1587	-20.1577	-20.1331
-20.0946	-20.0630	-20.0624	-20.0001	-19.9992	-19.9675	-18.1345	-18.1333
-18.0848	-18.0839	-18.0363	-18.0351	-17.9335	-17.9316	-17.9307	-17.1236
-17.1205	-17.0334	-17.0330	-16.9451	-16.9417	-15.8870	-15.8774	-15.8704
-15.1563	-15.1548	-15.1410	-12.3843	-12.3837	-12.3818	-12.1055	-12.0976
-12.0288	-12.0282	-11.9484	-11.9420	-11.0806	-11.0800	-11.0302	-11.0295
-10.9741	-10.9734	-10.8289	-10.8256	-10.7445	-10.7428	-10.6720	-10.6687
-9.5961	-9.0912	-9.0907	-9.0334	-9.0327	-9.0134	-8.9790	-8.9786
-8.9550	-8.9447	-8.9403	-8.8044	-8.7991	-8.7293	-8.2329	-8.1710
-8.1706	-8.0463	-8.0460	-7.9972	-7.9923	-7.9877	-7.9836	-7.7793
-7.7430	-7.7402	-7.6680	-7.6654	-7.6290	-7.2591	-7.2583	-7.2566
-7.2492	-7.2147	-7.2137	-7.1448	-7.1439	-7.1095	-6.5601	-6.5364
-6.5283	-6.4808	-6.4723	-6.4484	-5.9594	-5.9367	-5.9356	-5.8869
-5.8857	-5.8598	-4.3644	-4.3593	-4.2982	-4.2938	-4.2850	-4.2846
-4.2680	-4.2674	-4.2098	-4.2088	-4.1798	-4.1763	-4.1324	-4.1307
-4.0392	-4.0381	-3.9542	-3.9517	-3.9510	-3.8212	-3.8177	-3.8161
0.4523	0.4545	0.4588	1.3479	1.6688	1.6919	1.7850	1.7963
1.8854	1.8943	1.9127	2.1202	2.2163	2.2169	2.2194	2.5864
2.6816	3.3525	3.3527	3.3921	3.4237	3.4243	3.4394	3.4427
3.4991	3.4994						

k = 0.0000-0.0316 0.0000 ( 64699 PWs) bands (ev):

-21.5828	-21.4714	-20.2504	-20.2171	-20.2161	-20.1499	-20.1490	-20.1160
-20.1151	-20.0731	-20.0725	-19.9890	-19.9882	-19.9460	-18.1511	-18.1499
-18.0847	-18.0838	-18.0202	-18.0190	-17.9348	-17.9318	-17.9309	-17.1530
-17.1499	-17.0329	-17.0325	-16.9150	-16.9115	-15.9012	-15.8808	-15.8738
-15.1520	-15.1505	-15.1260	-12.3835	-12.3829	-12.3796	-12.1323	-12.1245
-12.0347	-12.0337	-11.9240	-11.9174	-11.0981	-11.0974	-11.0321	-11.0315
-10.9561	-10.9555	-10.8533	-10.8499	-10.7389	-10.7369	-10.6442	-10.6409
-9.5957	-9.1090	-9.1086	-9.0606	-9.0311	-9.0305	-8.9698	-8.9651
-8.9595	-8.9590	-8.9516	-8.7809	-8.7755	-8.6823	-8.2745	-8.1919
-8.1916	-8.0257	-8.0254	-7.9988	-7.9918	-7.9893	-7.9422	-7.8036
-7.7549	-7.7521	-7.6549	-7.6523	-7.6035	-7.2721	-7.2602	-7.2595
-7.2561	-7.2258	-7.2248	-7.1327	-7.1317	-7.0858	-6.5784	-6.5472
-6.5391	-6.4731	-6.4645	-6.4296	-5.9757	-5.9461	-5.9450	-5.8798
-5.8786	-5.8430	-4.3958	-4.3905	-4.3099	-4.3095	-4.2998	-4.2953
-4.2679	-4.2671	-4.2095	-4.2086	-4.1507	-4.1478	-4.1055	-4.1032

-4.0410	-4.0391	-3.9565	-3.9520	-3.9512	-3.8247	-3.8181	-3.8166
0.4533	0.4556	0.4632	1.3486	1.6333	1.6557	1.7838	1.7951
1.8862	1.9298	1.9490	2.1209	2.2171	2.2178	2.2223	2.5871
2.6823	3.3284	3.3286	3.3650	3.4223	3.4228	3.4265	3.4287
3.5189	3.5238						

k = 0.0000-0.0395 0.0000 ( 64739 PWs)      bands (ev):

-21.5822	-21.4708	-20.2668	-20.2250	-20.2240	-20.1410	-20.1401	-20.1355
-20.0988	-20.0830	-20.0824	-19.9778	-19.9770	-19.9244	-18.1678	-18.1666
-18.0845	-18.0836	-18.0042	-18.0030	-17.9367	-17.9320	-17.9311	-17.1823
-17.1792	-17.0323	-17.0319	-16.8848	-16.8813	-15.9187	-15.8851	-15.8782
-15.1465	-15.1451	-15.1076	-12.3825	-12.3819	-12.3768	-12.1596	-12.1518
-12.0421	-12.0408	-11.8997	-11.8932	-11.1155	-11.1149	-11.0346	-11.0339
-10.9381	-10.9374	-10.8772	-10.8737	-10.7316	-10.7293	-10.6159	-10.6127
-9.5952	-9.1266	-9.1262	-9.1078	-9.0283	-9.0276	-8.9930	-8.9884
-8.9516	-8.9398	-8.9393	-8.7574	-8.7520	-8.6354	-8.3160	-8.2129
-8.2125	-8.0052	-8.0049	-8.0008	-7.9917	-7.9908	-7.9009	-7.8278
-7.7667	-7.7639	-7.6416	-7.6391	-7.5779	-7.2948	-7.2617	-7.2610
-7.2556	-7.2367	-7.2357	-7.1204	-7.1194	-7.0620	-6.5967	-6.5584
-6.5504	-6.4658	-6.4572	-6.4107	-5.9920	-5.9559	-5.9548	-5.8729
-5.8718	-5.8262	-4.4271	-4.4218	-4.3346	-4.3343	-4.3020	-4.2973
-4.2676	-4.2668	-4.2092	-4.2083	-4.1225	-4.1203	-4.0779	-4.0749
-4.0434	-4.0403	-3.9595	-3.9523	-3.9515	-3.8293	-3.8187	-3.8171
0.4547	0.4570	0.4689	1.3496	1.5975	1.6194	1.7823	1.7936
1.8871	1.9657	1.9854	2.1218	2.2183	2.2189	2.2262	2.5880
2.6832	3.3044	3.3046	3.3378	3.4123	3.4144	3.4214	3.4220
3.5206	3.5485						

k = 0.0000-0.0475 0.0000 ( 64747 PWs)      bands (ev):

-21.5814	-21.4701	-20.2831	-20.2328	-20.2318	-20.1558	-20.1320	-20.1311
-20.0928	-20.0922	-20.0816	-19.9664	-19.9656	-19.9025	-18.1845	-18.1833
-18.0843	-18.0835	-17.9883	-17.9871	-17.9389	-17.9323	-17.9313	-17.2114
-17.2083	-17.0316	-17.0311	-16.8544	-16.8509	-15.9391	-15.8903	-15.8835
-15.1399	-15.1385	-15.0860	-12.3812	-12.3806	-12.3734	-12.1872	-12.1795
-12.0511	-12.0495	-11.8758	-11.8692	-11.1329	-11.1322	-11.0376	-11.0370
-10.9200	-10.9194	-10.9005	-10.8971	-10.7229	-10.7203	-10.5872	-10.5839
-9.5946	-9.1550	-9.1440	-9.1435	-9.0247	-9.0241	-9.0165	-9.0119
-8.9508	-8.9198	-8.9193	-8.7340	-8.7285	-8.5885	-8.3576	-8.2339
-8.2335	-8.0033	-7.9939	-7.9902	-7.9847	-7.9844	-7.8618	-7.8494
-7.7782	-7.7754	-7.6282	-7.6256	-7.5521	-7.3173	-7.2635	-7.2628
-7.2548	-7.2475	-7.2465	-7.1079	-7.1069	-7.0381	-6.6148	-6.5701
-6.5622	-6.4590	-6.4503	-6.3917	-6.0083	-5.9659	-5.9649	-5.8664
-5.8653	-5.8094	-4.4586	-4.4532	-4.3594	-4.3590	-4.3049	-4.2995
-4.2672	-4.2663	-4.2089	-4.2080	-4.0952	-4.0936	-4.0494	-4.0463
-4.0458	-4.0418	-3.9631	-3.9527	-3.9519	-3.8348	-3.8194	-3.8178
0.4563	0.4586	0.4758	1.3507	1.5615	1.5830	1.7805	1.7917
1.8882	2.0017	2.0218	2.1229	2.2196	2.2203	2.2308	2.5891
2.6843	3.2805	3.2807	3.3106	3.3993	3.4010	3.4195	3.4201
3.5220	3.5698						

k = 0.0000-0.0554 0.0000 ( 64767 PWs)      bands (ev):

-21.5804	-21.4693	-20.2993	-20.2405	-20.2395	-20.1760	-20.1229	-20.1220
-20.1024	-20.1018	-20.0643	-19.9550	-19.9542	-19.8806	-18.2013	-18.2001
-18.0841	-18.0832	-17.9725	-17.9713	-17.9417	-17.9325	-17.9316	-17.2405
-17.2374	-17.0307	-17.0302	-16.8240	-16.8205	-15.9619	-15.8963	-15.8896
-15.1322	-15.1309	-15.0618	-12.3798	-12.3792	-12.3693	-12.2152	-12.2075
-12.0614	-12.0595	-11.8521	-11.8455	-11.1501	-11.1494	-11.0411	-11.0405
-10.9234	-10.9199	-10.9019	-10.9012	-10.7126	-10.7098	-10.5580	-10.5548
-9.5940	-9.2021	-9.1611	-9.1607	-9.0400	-9.0354	-9.0206	-9.0200

-8.9497	-8.8996	-8.8991	-8.7105	-8.7050	-8.5416	-8.3991	-8.2549
-8.2546	-8.0062	-7.9968	-7.9893	-7.9644	-7.9641	-7.8767	-7.8171
-7.7896	-7.7867	-7.6147	-7.6120	-7.5262	-7.3398	-7.2656	-7.2649
-7.2581	-7.2572	-7.2539	-7.0953	-7.0943	-7.0140	-6.6329	-6.5823
-6.5744	-6.4525	-6.4439	-6.3727	-6.0245	-5.9764	-5.9753	-5.8602
-5.8590	-5.7925	-4.4900	-4.4846	-4.3842	-4.3837	-4.3085	-4.3020
-4.2667	-4.2658	-4.2085	-4.2076	-4.0688	-4.0677	-4.0497	-4.0435
-4.0201	-4.0160	-3.9675	-3.9532	-3.9524	-3.8414	-3.8201	-3.8186
0.4583	0.4606	0.4841	1.3521	1.5254	1.5467	1.7783	1.7895
1.8895	2.0379	2.0582	2.1243	2.2213	2.2219	2.2364	2.5905
2.6857	3.2566	3.2569	3.2834	3.3863	3.3879	3.4174	3.4180
3.5234	3.5859						

k = 0.0000-0.0633 0.0000 ( 64767 PWs) bands (ev):

-21.5793	-21.4683	-20.3154	-20.2480	-20.2471	-20.1960	-20.1137	-20.1128
-20.1118	-20.1113	-20.0468	-19.9434	-19.9425	-19.8584	-18.2181	-18.2169
-18.0839	-18.0830	-17.9568	-17.9556	-17.9448	-17.9328	-17.9319	-17.2694
-17.2664	-17.0296	-17.0292	-16.7934	-16.7899	-15.9867	-15.9031	-15.8965
-15.1235	-15.1223	-15.0353	-12.3781	-12.3775	-12.3645	-12.2436	-12.2359
-12.0732	-12.0710	-11.8286	-11.8220	-11.1672	-11.1665	-11.0452	-11.0446
-10.9457	-10.9422	-10.8837	-10.8830	-10.7010	-10.6979	-10.5284	-10.5252
-9.5933	-9.2492	-9.1779	-9.1775	-9.0635	-9.0589	-9.0159	-9.0152
-8.9485	-8.8792	-8.8787	-8.6871	-8.6815	-8.4948	-8.4407	-8.2760
-8.2756	-8.0096	-8.0001	-7.9882	-7.9441	-7.9438	-7.9003	-7.8009
-7.7979	-7.7759	-7.6009	-7.5983	-7.5001	-7.3621	-7.2686	-7.2681
-7.2677	-7.2673	-7.2529	-7.0825	-7.0816	-6.9899	-6.6509	-6.5948
-6.5871	-6.4465	-6.4378	-6.3536	-6.0406	-5.9871	-5.9860	-5.8543
-5.8532	-5.7755	-4.5214	-4.5159	-4.4089	-4.4084	-4.3127	-4.3048
-4.2661	-4.2652	-4.2080	-4.2071	-4.0536	-4.0455	-4.0432	-4.0426
-3.9901	-3.9855	-3.9724	-3.9537	-3.9529	-3.8490	-3.8210	-3.8195
0.4605	0.4628	0.4935	1.3536	1.4894	1.5104	1.7759	1.7870
1.8910	2.0740	2.0946	2.1258	2.2232	2.2238	2.2428	2.5920
2.6872	3.2329	3.2332	3.2563	3.3734	3.3750	3.4150	3.4156
3.5250	3.6016						

k = 0.0000-0.0712 0.0000 ( 64767 PWs) bands (ev):

-21.5780	-21.4673	-20.3314	-20.2555	-20.2545	-20.2159	-20.1212	-20.1206
-20.1044	-20.1034	-20.0294	-19.9316	-19.9308	-19.8362	-18.2350	-18.2338
-18.0836	-18.0827	-17.9486	-17.9412	-17.9399	-17.9330	-17.9322	-17.2982
-17.2952	-17.0285	-17.0280	-16.7628	-16.7592	-16.0134	-15.9106	-15.9041
-15.1138	-15.1127	-15.0069	-12.3763	-12.3757	-12.3591	-12.2723	-12.2646
-12.0862	-12.0838	-11.8055	-11.7989	-11.1843	-11.1836	-11.0498	-11.0492
-10.9675	-10.9640	-10.8654	-10.8648	-10.6880	-10.6846	-10.4984	-10.4952
-9.5926	-9.2962	-9.1945	-9.1941	-9.0870	-9.0824	-9.0105	-9.0099
-8.9470	-8.8586	-8.8581	-8.6637	-8.6581	-8.4822	-8.4480	-8.2971
-8.2967	-8.0134	-8.0040	-7.9869	-7.9241	-7.9238	-7.9233	-7.8119
-7.8089	-7.7346	-7.5870	-7.5844	-7.4739	-7.3842	-7.2790	-7.2780
-7.2708	-7.2701	-7.2517	-7.0696	-7.0686	-6.9656	-6.6688	-6.6078
-6.6002	-6.4410	-6.4322	-6.3345	-6.0566	-5.9982	-5.9971	-5.8487
-5.8476	-5.7585	-4.5528	-4.5472	-4.4337	-4.4332	-4.3176	-4.3078
-4.2655	-4.2645	-4.2075	-4.2066	-4.0581	-4.0478	-4.0183	-4.0180
-3.9783	-3.9594	-3.9555	-3.9536	-3.9531	-3.8575	-3.8220	-3.8205
0.4631	0.4653	0.5042	1.3554	1.4533	1.4741	1.7730	1.7842
1.8928	2.1102	2.1276	2.1311	2.2254	2.2260	2.2500	2.5937
2.6890	3.2094	3.2096	3.2294	3.3608	3.3623	3.4122	3.4128
3.5268	3.6177						

k = 0.0000-0.0791 0.0000 ( 64785 PWs) bands (ev):

-21.5767	-21.4661	-20.3474	-20.2628	-20.2619	-20.2356	-20.1304	-20.1298
----------	----------	----------	----------	----------	----------	----------	----------

-20.0950	-20.0940	-20.0118	-19.9197	-19.9189	-19.8138	-18.2519	-18.2507
-18.0833	-18.0824	-17.9525	-17.9337	-17.9326	-17.9255	-17.9244	-17.3269
-17.3239	-17.0272	-17.0267	-16.7321	-16.7285	-16.0414	-15.9188	-15.9124
-15.1032	-15.1022	-14.9768	-12.3742	-12.3736	-12.3532	-12.3014	-12.2937
-12.1004	-12.0978	-11.7826	-11.7760	-11.2012	-11.2005	-11.0549	-11.0543
-10.9888	-10.9852	-10.8472	-10.8465	-10.6738	-10.6701	-10.4680	-10.4648
-9.5921	-9.3429	-9.2109	-9.2105	-9.1105	-9.1058	-9.0046	-9.0039
-8.9454	-8.8377	-8.8372	-8.6404	-8.6347	-8.5237	-8.4014	-8.3182
-8.3178	-8.0177	-8.0082	-7.9855	-7.9474	-7.9038	-7.9035	-7.8227
-7.8196	-7.6933	-7.5730	-7.5703	-7.4475	-7.4063	-7.2891	-7.2882
-7.2739	-7.2732	-7.2504	-7.0565	-7.0556	-6.9412	-6.6866	-6.6213
-6.6137	-6.4359	-6.4271	-6.3153	-6.0726	-6.0095	-6.0085	-5.8435
-5.8424	-5.7415	-4.5841	-4.5785	-4.4584	-4.4579	-4.3231	-4.3111
-4.2647	-4.2637	-4.2069	-4.2060	-4.0631	-4.0504	-3.9940	-3.9938
-3.9845	-3.9550	-3.9542	-3.9283	-3.9232	-3.8669	-3.8232	-3.8216
0.4659	0.4682	0.5160	1.3573	1.4172	1.4379	1.7699	1.7810
1.8947	2.1296	2.1464	2.1674	2.2277	2.2284	2.2581	2.5956
2.6909	3.1860	3.1862	3.2026	3.3483	3.3498	3.4092	3.4098
3.5287	3.6340						

k = 0.0000-0.0870 0.0000 ( 64797 PWs) bands (ev):

-21.5751	-21.4648	-20.3632	-20.2701	-20.2691	-20.2552	-20.1394	-20.1388
-20.0855	-20.0845	-19.9941	-19.9077	-19.9068	-19.7913	-18.2689	-18.2677
-18.0829	-18.0821	-17.9569	-17.9340	-17.9330	-17.9102	-17.9090	-17.3555
-17.3526	-17.0257	-17.0252	-16.7012	-16.6976	-16.0706	-15.9276	-15.9213
-15.0918	-15.0908	-14.9452	-12.3719	-12.3713	-12.3465	-12.3308	-12.3230
-12.1158	-12.1130	-11.7599	-11.7534	-11.2180	-11.2173	-11.0605	-11.0599
-11.0096	-11.0060	-10.8288	-10.8282	-10.6584	-10.6545	-10.4372	-10.4340
-9.5919	-9.3893	-9.2269	-9.2265	-9.1340	-9.1291	-8.9981	-8.9974
-8.9436	-8.8167	-8.8161	-8.6171	-8.6114	-8.5651	-8.3548	-8.3393
-8.3390	-8.0224	-8.0129	-7.9839	-7.9707	-7.8839	-7.8835	-7.8333
-7.8301	-7.6520	-7.5587	-7.5560	-7.4282	-7.4210	-7.2991	-7.2982
-7.2773	-7.2766	-7.2490	-7.0433	-7.0424	-6.9166	-6.7043	-6.6351
-6.6277	-6.4312	-6.4224	-6.2960	-6.0886	-6.0212	-6.0202	-5.8386
-5.8374	-5.7244	-4.6154	-4.6098	-4.4832	-4.4826	-4.3292	-4.3147
-4.2639	-4.2629	-4.2063	-4.2054	-4.0686	-4.0532	-3.9914	-3.9701
-3.9700	-3.9557	-3.9549	-3.8972	-3.8916	-3.8771	-3.8244	-3.8229
0.4690	0.4713	0.5291	1.3595	1.3811	1.4017	1.7665	1.7775
1.8969	2.1317	2.1825	2.2037	2.2304	2.2312	2.2670	2.5977
2.6931	3.1627	3.1629	3.1760	3.3361	3.3375	3.4058	3.4065
3.5309	3.6507						

k = 0.0000-0.0949 0.0000 ( 64793 PWs) bands (ev):

-21.5734	-21.4633	-20.3790	-20.2772	-20.2762	-20.2747	-20.1483	-20.1477
-20.0758	-20.0749	-19.9764	-19.8955	-19.8947	-19.7686	-18.2859	-18.2847
-18.0825	-18.0817	-17.9618	-17.9344	-17.9334	-17.8949	-17.8937	-17.3840
-17.3811	-17.0241	-17.0236	-16.6703	-16.6666	-16.1009	-15.9369	-15.9307
-15.0795	-15.0786	-14.9125	-12.3694	-12.3687	-12.3605	-12.3528	-12.3393
-12.1323	-12.1292	-11.7375	-11.7310	-11.2347	-11.2340	-11.0666	-11.0659
-11.0299	-11.0263	-10.8104	-10.8098	-10.6419	-10.6377	-10.4060	-10.4028
-9.5925	-9.4347	-9.2428	-9.2424	-9.1575	-9.1524	-8.9910	-8.9903
-8.9416	-8.7954	-8.7948	-8.6066	-8.5939	-8.5881	-8.3605	-8.3601
-8.3083	-8.0275	-8.0181	-7.9938	-7.9822	-7.8646	-7.8642	-7.8430
-7.8399	-7.6107	-7.5443	-7.5416	-7.4500	-7.3944	-7.3090	-7.3081
-7.2811	-7.2803	-7.2474	-7.0299	-7.0290	-6.8920	-6.7220	-6.6494
-6.6421	-6.4269	-6.4180	-6.2767	-6.1044	-6.0332	-6.0322	-5.8339
-5.8328	-5.7073	-4.6466	-4.6410	-4.5080	-4.5074	-4.3359	-4.3187
-4.2630	-4.2620	-4.2056	-4.2046	-4.0747	-4.0563	-3.9990	-3.9566
-3.9557	-3.9466	-3.9465	-3.8890	-3.8649	-3.8599	-3.8257	-3.8242
0.4724	0.4747	0.5433	1.3451	1.3618	1.3655	1.7627	1.7736

1.8992	2.1341	2.2182	2.2324	2.2338	2.2417	2.2768	2.6000
2.6954	3.1394	3.1397	3.1495	3.3240	3.3254	3.4022	3.4028
3.5332	3.6672						

k = 0.0000-0.1028 0.0000 ( 64787 PWs) bands (ev):

-21.5716	-21.4617	-20.3946	-20.2940	-20.2842	-20.2832	-20.1570	-20.1565
-20.0661	-20.0651	-19.9586	-19.8832	-19.8823	-19.7458	-18.3029	-18.3017
-18.0821	-18.0813	-17.9670	-17.9348	-17.9339	-17.8798	-17.8786	-17.4124
-17.4094	-17.0224	-17.0219	-16.6393	-16.6356	-16.1319	-15.9468	-15.9407
-15.0665	-15.0656	-14.8787	-12.3905	-12.3828	-12.3666	-12.3660	-12.3314
-12.1497	-12.1465	-11.7153	-11.7089	-11.2513	-11.2506	-11.0731	-11.0725
-11.0497	-11.0460	-10.7920	-10.7914	-10.6244	-10.6200	-10.3744	-10.3712
-9.5948	-9.4783	-9.2583	-9.2580	-9.1810	-9.1757	-8.9833	-8.9827
-8.9395	-8.7739	-8.7734	-8.6479	-8.5707	-8.5649	-8.3817	-8.3813
-8.2619	-8.0332	-8.0238	-8.0166	-7.9803	-7.8568	-7.8538	-7.8414
-7.8406	-7.5694	-7.5298	-7.5270	-7.4716	-7.3676	-7.3187	-7.3178
-7.2851	-7.2844	-7.2456	-7.0164	-7.0155	-6.8673	-6.7395	-6.6641
-6.6569	-6.4230	-6.4141	-6.2573	-6.1202	-6.0456	-6.0445	-5.8296
-5.8285	-5.6901	-4.6778	-4.6721	-4.5327	-4.5321	-4.3433	-4.3229
-4.2620	-4.2610	-4.2048	-4.2039	-4.0812	-4.0597	-4.0072	-3.9574
-3.9566	-3.9235	-3.9234	-3.9009	-3.8338	-3.8294	-3.8263	-3.8246
0.4761	0.4784	0.5587	1.3091	1.3293	1.3645	1.7586	1.7695
1.9018	2.1367	2.2357	2.2365	2.2554	2.2770	2.2876	2.6026
2.6980	3.1164	3.1167	3.1232	3.3122	3.3136	3.3982	3.3989
3.5357	3.6680						

k = 0.0000-0.1107 0.0000 ( 64765 PWs) bands (ev):

-21.5696	-21.4600	-20.4102	-20.3132	-20.2911	-20.2901	-20.1656	-20.1651
-20.0562	-20.0553	-19.9407	-19.8707	-19.8698	-19.7228	-18.3199	-18.3188
-18.0817	-18.0808	-17.9726	-17.9353	-17.9344	-17.8648	-17.8636	-17.4406
-17.4377	-17.0206	-17.0200	-16.6082	-16.6044	-16.1637	-15.9571	-15.9512
-15.0528	-15.0519	-14.8440	-12.4208	-12.4131	-12.3636	-12.3630	-12.3230
-12.1681	-12.1647	-11.6934	-11.6870	-11.2678	-11.2671	-11.0801	-11.0795
-11.0689	-11.0653	-10.7735	-10.7729	-10.6059	-10.6013	-10.3425	-10.3393
-9.6018	-9.5172	-9.2737	-9.2733	-9.2045	-9.1988	-8.9751	-8.9745
-8.9372	-8.7522	-8.7517	-8.6893	-8.5476	-8.5417	-8.4028	-8.4025
-8.2157	-8.0410	-8.0380	-8.0295	-7.9783	-7.8657	-7.8620	-7.8229
-7.8226	-7.5283	-7.5151	-7.5123	-7.4931	-7.3407	-7.3283	-7.3273
-7.2895	-7.2888	-7.2438	-7.0028	-7.0018	-6.8424	-6.7569	-6.6793
-6.6722	-6.4196	-6.4107	-6.2379	-6.1359	-6.0583	-6.0572	-5.8256
-5.8244	-5.6729	-4.7089	-4.7031	-4.5575	-4.5569	-4.3512	-4.3275
-4.2609	-4.2599	-4.2039	-4.2030	-4.0883	-4.0633	-4.0161	-3.9583
-3.9575	-3.9144	-3.9007	-3.9000	-3.8290	-3.8275	-3.8012	-3.7956
0.4801	0.4823	0.5752	1.2731	1.2933	1.3672	1.7542	1.7650
1.9045	2.1395	2.2393	2.2400	2.2898	2.3003	2.3134	2.6053
2.7008	3.0936	3.0939	3.0971	3.3005	3.3019	3.3940	3.3946
3.5384	3.6418						

k = 0.0000-0.1186 0.0000 ( 64769 PWs) bands (ev):

-21.5675	-21.4582	-20.4256	-20.3323	-20.2979	-20.2969	-20.1741	-20.1736
-20.0463	-20.0453	-19.9228	-19.8581	-19.8572	-19.6997	-18.3370	-18.3359
-18.0812	-18.0803	-17.9787	-17.9359	-17.9349	-17.8498	-17.8486	-17.4687
-17.4659	-17.0186	-17.0180	-16.5769	-16.5732	-16.1961	-15.9679	-15.9620
-15.0384	-15.0376	-14.8085	-12.4515	-12.4438	-12.3605	-12.3599	-12.3139
-12.1874	-12.1838	-11.6717	-11.6653	-11.2841	-11.2834	-11.0878	-11.0875
-11.0869	-11.0840	-10.7551	-10.7544	-10.5865	-10.5817	-10.3103	-10.3070
-9.6201	-9.5448	-9.2887	-9.2883	-9.2279	-9.2217	-8.9664	-8.9657
-8.9347	-8.7308	-8.7303	-8.7297	-8.5245	-8.5186	-8.4241	-8.4237
-8.1696	-8.0626	-8.0454	-8.0360	-7.9762	-7.8755	-7.8715	-7.8034

-7.8031	-7.5145	-7.5002	-7.4973	-7.4871	-7.3377	-7.3367	-7.3137
-7.2942	-7.2935	-7.2418	-6.9889	-6.9880	-6.8174	-6.7743	-6.6948
-6.6879	-6.4165	-6.4076	-6.2184	-6.1516	-6.0713	-6.0702	-5.8218
-5.8207	-5.6557	-4.7399	-4.7341	-4.5823	-4.5817	-4.3598	-4.3324
-4.2597	-4.2587	-4.2031	-4.2021	-4.0959	-4.0672	-4.0256	-3.9593
-3.9585	-3.9281	-3.8781	-3.8776	-3.8306	-3.8291	-3.7692	-3.7636
0.4844	0.4866	0.5928	1.2373	1.2572	1.3702	1.7494	1.7602
1.9075	2.1425	2.2430	2.2437	2.3095	2.3289	2.3497	2.6082
2.7038	3.0709	3.0711	3.0713	3.2891	3.2904	3.3894	3.3900
3.5413	3.6157						

k = 0.0000-0.1265 0.0000 ( 64777 PWs) bands (ev):

-21.5652	-21.4563	-20.4410	-20.3512	-20.3046	-20.3036	-20.1824	-20.1819
-20.0362	-20.0352	-19.9047	-19.8453	-19.8445	-19.6765	-18.3541	-18.3530
-18.0807	-18.0798	-17.9851	-17.9365	-17.9355	-17.8351	-17.8339	-17.4967
-17.4939	-17.0164	-17.0159	-16.5456	-16.5418	-16.2289	-15.9790	-15.9733
-15.0234	-15.0226	-14.7723	-12.4824	-12.4747	-12.3571	-12.3565	-12.3042
-12.2074	-12.2037	-11.6502	-11.6439	-11.3004	-11.2997	-11.1060	-11.1023
-11.0955	-11.0948	-10.7365	-10.7359	-10.5663	-10.5613	-10.2777	-10.2744
-9.6531	-9.5575	-9.3035	-9.3031	-9.2514	-9.2446	-8.9571	-8.9565
-8.9320	-8.7720	-8.7082	-8.7077	-8.5016	-8.4956	-8.4453	-8.4449
-8.1238	-8.0850	-8.0523	-8.0429	-7.9739	-7.8852	-7.8808	-7.7839
-7.7836	-7.5357	-7.4852	-7.4823	-7.4460	-7.3469	-7.3459	-7.2992
-7.2985	-7.2866	-7.2397	-6.9750	-6.9740	-6.7924	-6.7916	-6.7108
-6.7041	-6.4139	-6.4049	-6.1989	-6.1671	-6.0846	-6.0835	-5.8184
-5.8172	-5.6384	-4.7708	-4.7650	-4.6071	-4.6064	-4.3689	-4.3376
-4.2585	-4.2575	-4.2021	-4.2012	-4.1040	-4.0713	-4.0357	-3.9604
-3.9596	-3.9428	-3.8558	-3.8552	-3.8324	-3.8309	-3.7371	-3.7314
0.4890	0.4911	0.6115	1.2014	1.2213	1.3734	1.7444	1.7551
1.9106	2.1457	2.2469	2.2475	2.3229	2.3646	2.3860	2.6113
2.7069	3.0454	3.0483	3.0486	3.2778	3.2792	3.3845	3.3852
3.5444	3.5898						

k = 0.0000-0.1345 0.0000 ( 64765 PWs) bands (ev):

-21.5628	-21.4542	-20.4563	-20.3700	-20.3111	-20.3102	-20.1906	-20.1901
-20.0260	-20.0251	-19.8866	-19.8325	-19.8316	-19.6531	-18.3713	-18.3701
-18.0802	-18.0793	-17.9920	-17.9371	-17.9361	-17.8204	-17.8192	-17.5246
-17.5218	-17.0142	-17.0136	-16.5142	-16.5104	-16.2621	-15.9905	-15.9849
-15.0079	-15.0070	-14.7356	-12.5136	-12.5060	-12.3535	-12.3529	-12.2940
-12.2281	-12.2243	-11.6289	-11.6226	-11.3164	-11.3157	-11.1238	-11.1201
-11.1038	-11.1031	-10.7180	-10.7173	-10.5453	-10.5401	-10.2448	-10.2415
-9.6945	-9.5619	-9.3181	-9.3177	-9.2748	-9.2672	-8.9474	-8.9468
-8.9292	-8.8132	-8.6859	-8.6854	-8.4787	-8.4727	-8.4665	-8.4662
-8.1072	-8.0785	-8.0595	-8.0502	-7.9714	-7.8949	-7.8898	-7.7644
-7.7641	-7.5567	-7.4700	-7.4670	-7.4050	-7.3560	-7.3550	-7.3045
-7.3038	-7.2594	-7.2374	-6.9609	-6.9599	-6.8087	-6.7673	-6.7271
-6.7206	-6.4116	-6.4027	-6.1826	-6.1794	-6.0982	-6.0971	-5.8152
-5.8141	-5.6211	-4.8017	-4.7958	-4.6319	-4.6312	-4.3786	-4.3432
-4.2572	-4.2562	-4.2011	-4.2002	-4.1126	-4.0757	-4.0464	-3.9615
-3.9607	-3.9583	-3.8351	-3.8346	-3.8324	-3.8316	-3.7049	-3.6992
0.4938	0.4960	0.6313	1.1656	1.1854	1.3768	1.7391	1.7496
1.9140	2.1491	2.2510	2.2517	2.3367	2.4006	2.4223	2.6146
2.7103	3.0199	3.0260	3.0263	3.2668	3.2681	3.3794	3.3800
3.5475	3.5642						

k = 0.0000-0.1424 0.0000 ( 64757 PWs) bands (ev):

-21.5602	-21.4520	-20.4714	-20.3886	-20.3176	-20.3166	-20.1986	-20.1981
-20.0158	-20.0148	-19.8685	-19.8194	-19.8185	-19.6296	-18.3884	-18.3873
-18.0796	-18.0787	-17.9992	-17.9377	-17.9368	-17.8059	-17.8047	-17.5524

-17.5496	-17.0118	-17.0112	-16.4827	-16.4789	-16.2957	-16.0023	-15.9967
-14.9918	-14.9909	-14.6982	-12.5451	-12.5375	-12.3497	-12.3491	-12.2831
-12.2496	-12.2456	-11.6077	-11.6015	-11.3324	-11.3317	-11.1411	-11.1374
-11.1125	-11.1118	-10.6994	-10.6987	-10.5236	-10.5183	-10.2117	-10.2083
-9.7392	-9.5631	-9.3323	-9.3319	-9.2982	-9.2896	-8.9371	-8.9365
-8.9262	-8.8545	-8.6635	-8.6629	-8.4878	-8.4874	-8.4559	-8.4499
-8.1292	-8.0675	-8.0581	-8.0332	-7.9688	-7.9044	-7.8980	-7.7450
-7.7448	-7.5777	-7.4547	-7.4516	-7.3649	-7.3641	-7.3639	-7.3101
-7.3094	-7.2350	-7.2321	-6.9467	-6.9457	-6.8257	-6.7460	-6.7403
-6.7372	-6.4098	-6.4008	-6.1980	-6.1598	-6.1121	-6.1111	-5.8124
-5.8113	-5.6038	-4.8325	-4.8266	-4.6567	-4.6560	-4.3888	-4.3490
-4.2558	-4.2548	-4.2000	-4.1991	-4.1217	-4.0804	-4.0578	-3.9745
-3.9627	-3.9619	-3.8364	-3.8350	-3.8115	-3.8110	-3.6727	-3.6670
0.4989	0.5011	0.6521	1.1300	1.1496	1.3804	1.7334	1.7439
1.9176	2.1527	2.2553	2.2560	2.3512	2.4367	2.4585	2.6182
2.7139	2.9945	3.0039	3.0042	3.2559	3.2573	3.3739	3.3746
3.5380	3.5517						

k = 0.0000-0.1503 0.0000 ( 64779 PWs) bands (ev):

-21.5575	-21.4497	-20.4865	-20.4071	-20.3239	-20.3229	-20.2065	-20.2060
-20.0054	-20.0044	-19.8503	-19.8063	-19.8054	-19.6060	-18.4056	-18.4045
-18.0790	-18.0781	-18.0068	-17.9384	-17.9374	-17.7916	-17.7904	-17.5801
-17.5773	-17.0092	-17.0086	-16.4512	-16.4473	-16.3295	-16.0143	-16.0089
-14.9752	-14.9743	-14.6604	-12.5769	-12.5693	-12.3456	-12.3450	-12.2717
-12.2716	-12.2676	-11.5868	-11.5806	-11.3482	-11.3475	-11.1580	-11.1543
-11.1215	-11.1209	-10.6807	-10.6801	-10.5013	-10.4958	-10.1782	-10.1748
-9.7852	-9.5629	-9.3463	-9.3460	-9.3216	-9.3117	-8.9264	-8.9258
-8.9230	-8.8956	-8.6408	-8.6402	-8.5090	-8.5087	-8.4332	-8.4272
-8.1510	-8.0756	-8.0662	-7.9903	-7.9661	-7.9138	-7.9043	-7.7258
-7.7255	-7.5985	-7.4393	-7.4361	-7.3736	-7.3727	-7.3232	-7.3161
-7.3153	-7.2324	-7.2047	-6.9323	-6.9313	-6.8426	-6.7614	-6.7551
-6.7162	-6.4083	-6.3994	-6.2133	-6.1402	-6.1264	-6.1253	-5.8098
-5.8086	-5.5865	-4.8632	-4.8572	-4.6815	-4.6808	-4.3997	-4.3552
-4.2543	-4.2533	-4.1989	-4.1980	-4.1314	-4.0853	-4.0698	-3.9915
-3.9640	-3.9632	-3.8385	-3.8371	-3.7899	-3.7893	-3.6405	-3.6347
0.5043	0.5064	0.6740	1.0943	1.1139	1.3843	1.7275	1.7379
1.9213	2.1565	2.2599	2.2605	2.3664	2.4727	2.4948	2.6219
2.7177	2.9693	2.9819	2.9822	3.2452	3.2466	3.3682	3.3689
3.5129	3.5552						

k = 0.0000-0.1582 0.0000 ( 64771 PWs) bands (ev):

-21.5546	-21.4472	-20.5015	-20.4254	-20.3301	-20.3292	-20.2143	-20.2138
-19.9949	-19.9940	-19.8320	-19.7930	-19.7920	-19.5822	-18.4228	-18.4217
-18.0784	-18.0775	-18.0147	-17.9391	-17.9381	-17.7774	-17.7762	-17.6076
-17.6049	-17.0066	-17.0059	-16.4196	-16.4156	-16.3635	-16.0265	-16.0212
-14.9582	-14.9572	-14.6221	-12.6089	-12.6013	-12.3414	-12.3408	-12.2942
-12.2901	-12.2597	-11.5660	-11.5599	-11.3638	-11.3631	-11.1743	-11.1706
-11.1310	-11.1304	-10.6621	-10.6614	-10.4784	-10.4728	-10.1445	-10.1410
-9.8318	-9.5623	-9.3601	-9.3597	-9.3450	-9.3335	-8.9368	-8.9196
-8.9152	-8.9146	-8.6180	-8.6174	-8.5303	-8.5299	-8.4107	-8.4046
-8.1725	-8.0842	-8.0748	-7.9632	-7.9544	-7.9230	-7.9035	-7.7066
-7.7063	-7.6192	-7.4237	-7.4204	-7.3822	-7.3812	-7.3223	-7.3216
-7.2823	-7.2298	-7.1772	-6.9178	-6.9167	-6.8594	-6.7789	-6.7730
-6.6908	-6.4073	-6.3983	-6.2285	-6.1409	-6.1399	-6.1205	-5.8075
-5.8064	-5.5691	-4.8938	-4.8877	-4.7063	-4.7056	-4.4111	-4.3616
-4.2528	-4.2517	-4.1977	-4.1968	-4.1415	-4.0905	-4.0824	-4.0092
-3.9653	-3.9645	-3.8407	-3.8393	-3.7684	-3.7678	-3.6083	-3.6025
0.5100	0.5121	0.6968	1.0588	1.0783	1.3883	1.7212	1.7315
1.9253	2.1605	2.2647	2.2653	2.3824	2.5088	2.5310	2.6258
2.7217	2.9443	2.9602	2.9605	3.2348	3.2362	3.3622	3.3628

3.4877 3.5591

k = 0.0000-0.1661 0.0000 ( 64779 PWs) bands (ev):

-21.5516	-21.4447	-20.5163	-20.4436	-20.3362	-20.3353	-20.2219	-20.2214
-19.9844	-19.9834	-19.8136	-19.7795	-19.7786	-19.5583	-18.4400	-18.4389
-18.0777	-18.0768	-18.0231	-17.9399	-17.9389	-17.7633	-17.7621	-17.6350
-17.6323	-17.0037	-17.0030	-16.3984	-16.3872	-16.3838	-16.0390	-16.0338
-14.9407	-14.9397	-14.5835	-12.6412	-12.6336	-12.3369	-12.3363	-12.3173
-12.3131	-12.2471	-11.5454	-11.5393	-11.3793	-11.3786	-11.1903	-11.1866
-11.1408	-11.1402	-10.6434	-10.6428	-10.4550	-10.4492	-10.1105	-10.1070
-9.8788	-9.5616	-9.3736	-9.3732	-9.3684	-9.3547	-8.9778	-8.9161
-8.9036	-8.9030	-8.5950	-8.5944	-8.5515	-8.5512	-8.3885	-8.3822
-8.1936	-8.0932	-8.0838	-7.9602	-7.9416	-7.9320	-7.8794	-7.6876
-7.6873	-7.6397	-7.4081	-7.4047	-7.3905	-7.3895	-7.3289	-7.3281
-7.2415	-7.2269	-7.1498	-6.9033	-6.9021	-6.8759	-6.7967	-6.7912
-6.6652	-6.4066	-6.3976	-6.2437	-6.1558	-6.1547	-6.1008	-5.8055
-5.8044	-5.5517	-4.9244	-4.9182	-4.7310	-4.7303	-4.4231	-4.3684
-4.2511	-4.2501	-4.1964	-4.1955	-4.1522	-4.0959	-4.0957	-4.0275
-3.9667	-3.9659	-3.8430	-3.8416	-3.7472	-3.7466	-3.5761	-3.5702
0.5160	0.5180	0.7206	1.0234	1.0427	1.3925	1.7147	1.7249
1.9295	2.1648	2.2697	2.2703	2.3991	2.5448	2.5672	2.6299
2.7260	2.9194	2.9386	2.9389	3.2245	3.2259	3.3559	3.3566
3.4627	3.5631						

k = 0.0000-0.1740 0.0000 ( 64783 PWs) bands (ev):

-21.5485	-21.4420	-20.5311	-20.4617	-20.3422	-20.3413	-20.2293	-20.2288
-19.9737	-19.9727	-19.7952	-19.7659	-19.7650	-19.5343	-18.4573	-18.4561
-18.0770	-18.0761	-18.0318	-17.9406	-17.9397	-17.7495	-17.7482	-17.6623
-17.6596	-17.0008	-17.0001	-16.4323	-16.3558	-16.3519	-16.0516	-16.0465
-14.9228	-14.9217	-14.5445	-12.6737	-12.6661	-12.3409	-12.3366	-12.3322
-12.3316	-12.2339	-11.5250	-11.5188	-11.3946	-11.3939	-11.2057	-11.2021
-11.1510	-11.1504	-10.6246	-10.6240	-10.4311	-10.4251	-10.0762	-10.0727
-9.9261	-9.5611	-9.3917	-9.3868	-9.3864	-9.3754	-9.0188	-8.9124
-8.8916	-8.8910	-8.5730	-8.5726	-8.5715	-8.5710	-8.3667	-8.3600
-8.2141	-8.1026	-8.0933	-7.9571	-7.9447	-7.9408	-7.8394	-7.6687
-7.6684	-7.6600	-7.3996	-7.3986	-7.3913	-7.3879	-7.3357	-7.3350
-7.2240	-7.2009	-7.1223	-6.8943	-6.8873	-6.8866	-6.8149	-6.8097
-6.6396	-6.4063	-6.3973	-6.2588	-6.1709	-6.1699	-6.0811	-5.8038
-5.8026	-5.5343	-4.9548	-4.9485	-4.7558	-4.7551	-4.4356	-4.3755
-4.2494	-4.2484	-4.1951	-4.1942	-4.1633	-4.1096	-4.1016	-4.0464
-3.9681	-3.9673	-3.8455	-3.8441	-3.7261	-3.7255	-3.5439	-3.5380
0.5222	0.5242	0.7453	0.9881	1.0073	1.3969	1.7079	1.7180
1.9339	2.1692	2.2750	2.2756	2.4165	2.5808	2.6033	2.6343
2.7304	2.8948	2.9173	2.9176	3.2145	3.2159	3.3494	3.3500
3.4379	3.5674						

k = 0.0000-0.1819 0.0000 ( 64791 PWs) bands (ev):

-21.5452	-21.4391	-20.5458	-20.4796	-20.3481	-20.3471	-20.2366	-20.2361
-19.9629	-19.9619	-19.7767	-19.7522	-19.7512	-19.5101	-18.4745	-18.4734
-18.0763	-18.0754	-18.0409	-17.9415	-17.9405	-17.7357	-17.7345	-17.6895
-17.6869	-16.9977	-16.9970	-16.4668	-16.3240	-16.3200	-16.0644	-16.0594
-14.9045	-14.9034	-14.5051	-12.7064	-12.6989	-12.3650	-12.3606	-12.3274
-12.3268	-12.2202	-11.5046	-11.4985	-11.4098	-11.4091	-11.2208	-11.2171
-11.1615	-11.1609	-10.6059	-10.6053	-10.4067	-10.4006	-10.0418	-10.0382
-9.9735	-9.5612	-9.4151	-9.3998	-9.3994	-9.3951	-9.0598	-8.9086
-8.8791	-8.8785	-8.5941	-8.5937	-8.5484	-8.5478	-8.3457	-8.3380
-8.2335	-8.1125	-8.1031	-7.9546	-7.9509	-7.9492	-7.7958	-7.6803
-7.6499	-7.6496	-7.4074	-7.4064	-7.3757	-7.3720	-7.3429	-7.3422
-7.2209	-7.1602	-7.0949	-6.9095	-6.8729	-6.8722	-6.8334	-6.8287



-6.6138	-6.4063	-6.3974	-6.2738	-6.1864	-6.1854	-6.0614	-5.8023
-5.8011	-5.5169	-4.9852	-4.9788	-4.7805	-4.7798	-4.4488	-4.3830
-4.2477	-4.2467	-4.1937	-4.1928	-4.1749	-4.1242	-4.1076	-4.0659
-3.9697	-3.9689	-3.8480	-3.8466	-3.7054	-3.7048	-3.5118	-3.5058
0.5287	0.5307	0.7710	0.9528	0.9720	1.4016	1.7008	1.7108
1.9384	2.1739	2.2804	2.2811	2.4346	2.6168	2.6387	2.6395
2.7350	2.8704	2.8961	2.8965	3.2046	3.2060	3.3425	3.3432
3.4132	3.5719						

k = 0.0000-0.1898 0.0000 ( 64787 PWs) bands (ev):

-21.5417	-21.4362	-20.5603	-20.4974	-20.3539	-20.3529	-20.2438	-20.2433
-19.9520	-19.9510	-19.7581	-19.7383	-19.7374	-19.4858	-18.4917	-18.4906
-18.0755	-18.0747	-18.0503	-17.9423	-17.9413	-17.7222	-17.7210	-17.7166
-17.7139	-16.9945	-16.9937	-16.5014	-16.2920	-16.2880	-16.0773	-16.0724
-14.8858	-14.8846	-14.4654	-12.7393	-12.7319	-12.3894	-12.3850	-12.3223
-12.3217	-12.2059	-11.4844	-11.4784	-11.4248	-11.4240	-11.2354	-11.2317
-11.1723	-11.1717	-10.5871	-10.5865	-10.3818	-10.3757	-10.0210	-10.0070
-10.0034	-9.5621	-9.4383	-9.4136	-9.4125	-9.4121	-9.1007	-8.9045
-8.8663	-8.8657	-8.6153	-8.6150	-8.5249	-8.5242	-8.3272	-8.3162
-8.2504	-8.1227	-8.1134	-7.9595	-7.9582	-7.9495	-7.7513	-7.7004
-7.6313	-7.6310	-7.4153	-7.4143	-7.3596	-7.3556	-7.3503	-7.3496
-7.2177	-7.1197	-7.0678	-6.9257	-6.8579	-6.8572	-6.8521	-6.8477
-6.5879	-6.4068	-6.3978	-6.2887	-6.2022	-6.2012	-6.0416	-5.8011
-5.7999	-5.4995	-5.0154	-5.0089	-4.8053	-4.8046	-4.4624	-4.3907
-4.2458	-4.2448	-4.1923	-4.1914	-4.1871	-4.1395	-4.1138	-4.0858
-3.9712	-3.9704	-3.8506	-3.8492	-3.6848	-3.6842	-3.4797	-3.4737
0.5354	0.5374	0.7975	0.9177	0.9368	1.4064	1.6934	1.7033
1.9432	2.1787	2.2862	2.2868	2.4533	2.6435	2.6528	2.6755
2.7398	2.8461	2.8753	2.8756	3.1950	3.1964	3.3355	3.3361
3.3887	3.5766						

k = 0.0000-0.1977 0.0000 ( 64775 PWs) bands (ev):

-21.5381	-21.4331	-20.5748	-20.5150	-20.3595	-20.3586	-20.2508	-20.2503
-19.9410	-19.9400	-19.7395	-19.7243	-19.7233	-19.4613	-18.5089	-18.5078
-18.0748	-18.0739	-18.0600	-17.9432	-17.9422	-17.7435	-17.7409	-17.7088
-17.7076	-16.9911	-16.9903	-16.5360	-16.2600	-16.2559	-16.0903	-16.0855
-14.8668	-14.8655	-14.4255	-12.7725	-12.7650	-12.4142	-12.4098	-12.3170
-12.3164	-12.1911	-11.4644	-11.4583	-11.4396	-11.4388	-11.2496	-11.2459
-11.1834	-11.1828	-10.5683	-10.5677	-10.3567	-10.3504	-10.0685	-9.9722
-9.9685	-9.5646	-9.4616	-9.4303	-9.4249	-9.4245	-9.1415	-8.9003
-8.8531	-8.8524	-8.6366	-8.6362	-8.5012	-8.5006	-8.3161	-8.2946
-8.2598	-8.1334	-8.1241	-7.9672	-7.9664	-7.9461	-7.7204	-7.7063
-7.6128	-7.6125	-7.4231	-7.4221	-7.3581	-7.3574	-7.3433	-7.3391
-7.2143	-7.0792	-7.0413	-6.9419	-6.8712	-6.8666	-6.8427	-6.8418
-6.5619	-6.4075	-6.3986	-6.3035	-6.2183	-6.2172	-6.0218	-5.8001
-5.7989	-5.4819	-5.0456	-5.0389	-4.8300	-4.8293	-4.4766	-4.3987
-4.2439	-4.2429	-4.1997	-4.1908	-4.1899	-4.1556	-4.1202	-4.1062
-3.9728	-3.9720	-3.8533	-3.8520	-3.6645	-3.6639	-3.4477	-3.4416
0.5424	0.5444	0.8250	0.8828	0.9018	1.4115	1.6857	1.6955
1.9482	2.1838	2.2922	2.2928	2.4729	2.6484	2.6887	2.7115
2.7449	2.8221	2.8546	2.8550	3.1855	3.1869	3.3281	3.3287
3.3645	3.5815						

k = 0.0000-0.2056 0.0000 ( 64765 PWs) bands (ev):

-21.5344	-21.4299	-20.5891	-20.5325	-20.3651	-20.3641	-20.2577	-20.2572
-19.9299	-19.9289	-19.7208	-19.7101	-19.7092	-19.4367	-18.5262	-18.5251
-18.0740	-18.0732	-18.0700	-17.9441	-17.9431	-17.7703	-17.7677	-17.6956
-17.6944	-16.9876	-16.9868	-16.5707	-16.2278	-16.2237	-16.1034	-16.0987
-14.8475	-14.8461	-14.3853	-12.8058	-12.7984	-12.4393	-12.4348	-12.3115

-12.3109	-12.1757	-11.4542	-11.4535	-11.4444	-11.4384	-11.2633	-11.2597
-11.1948	-11.1942	-10.5495	-10.5489	-10.3311	-10.3247	-10.1161	-9.9371
-9.9333	-9.5691	-9.4848	-9.4446	-9.4371	-9.4367	-9.1822	-8.8959
-8.8395	-8.8389	-8.6579	-8.6575	-8.4773	-8.4767	-8.3199	-8.2729
-8.2543	-8.1445	-8.1352	-7.9751	-7.9745	-7.9424	-7.7401	-7.6615
-7.5944	-7.5941	-7.4307	-7.4298	-7.3662	-7.3655	-7.3269	-7.3224
-7.2108	-7.0388	-7.0161	-6.9579	-6.8908	-6.8843	-6.8273	-6.8264
-6.5359	-6.4087	-6.3997	-6.3182	-6.2346	-6.2336	-6.0020	-5.7994
-5.7982	-5.4644	-5.0756	-5.0688	-4.8547	-4.8540	-4.4914	-4.4070
-4.2419	-4.2409	-4.2128	-4.1892	-4.1883	-4.1724	-4.1269	-4.1268
-3.9745	-3.9737	-3.8561	-3.8548	-3.6445	-3.6438	-3.4157	-3.4096
0.5497	0.5516	0.8478	0.8533	0.8669	1.4167	1.6778	1.6874
1.9534	2.1890	2.2983	2.2990	2.4930	2.6535	2.7245	2.7475
2.7501	2.7982	2.8343	2.8347	3.1763	3.1776	3.3205	3.3211
3.3404	3.5863						

k = 0.0000-0.2135 0.0000 ( 64777 PWs) bands (ev):

-21.5305	-21.4266	-20.6034	-20.5499	-20.3705	-20.3695	-20.2644	-20.2640
-19.9187	-19.9177	-19.7021	-19.6958	-19.6948	-19.4120	-18.5434	-18.5423
-18.0806	-18.0731	-18.0722	-17.9450	-17.9441	-17.7970	-17.7945	-17.6826
-17.6813	-16.9840	-16.9831	-16.6055	-16.1957	-16.1915	-16.1165	-16.1119
-14.8278	-14.8264	-14.3448	-12.8393	-12.8319	-12.4648	-12.4602	-12.3058
-12.3052	-12.1598	-11.4686	-11.4679	-11.4246	-11.4185	-11.2767	-11.2730
-11.2065	-11.2059	-10.5306	-10.5300	-10.3053	-10.2988	-10.1638	-9.9018
-9.8980	-9.5763	-9.5080	-9.4560	-9.4490	-9.4486	-9.2229	-8.8914
-8.8256	-8.8249	-8.6791	-8.6788	-8.4533	-8.4527	-8.3342	-8.2512
-8.2384	-8.1560	-8.1467	-7.9830	-7.9823	-7.9385	-7.7598	-7.6166
-7.5762	-7.5760	-7.4382	-7.4373	-7.3745	-7.3738	-7.3104	-7.3056
-7.2071	-6.9986	-6.9942	-6.9737	-6.9112	-6.8986	-6.8118	-6.8109
-6.5097	-6.4102	-6.4012	-6.3328	-6.2513	-6.2502	-5.9822	-5.7989
-5.7978	-5.4470	-5.1056	-5.0986	-4.8794	-4.8787	-4.5067	-4.4156
-4.2399	-4.2389	-4.2264	-4.1903	-4.1876	-4.1866	-4.1476	-4.1338
-3.9763	-3.9755	-3.8590	-3.8577	-3.6247	-3.6241	-3.3838	-3.3777
0.5572	0.5591	0.8132	0.8321	0.8824	1.4222	1.6695	1.6791
1.9588	2.1945	2.3047	2.3053	2.5139	2.6588	2.7555	2.7600
2.7748	2.7831	2.8145	2.8147	3.1672	3.1686	3.3126	3.3132
3.3165	3.5768						

k = 0.0000-0.2214 0.0000 ( 64787 PWs) bands (ev):

-21.5265	-21.4231	-20.6175	-20.5671	-20.3758	-20.3748	-20.2710	-20.2706
-19.9074	-19.9065	-19.6833	-19.6814	-19.6804	-19.3871	-18.5607	-18.5595
-18.0914	-18.0722	-18.0713	-17.9460	-17.9450	-17.8236	-17.8211	-17.6698
-17.6685	-16.9802	-16.9793	-16.6403	-16.1635	-16.1593	-16.1297	-16.1252
-14.8079	-14.8064	-14.3041	-12.8730	-12.8657	-12.4905	-12.4859	-12.2998
-12.2993	-12.1433	-11.4829	-11.4821	-11.4048	-11.3988	-11.2896	-11.2860
-11.2184	-11.2178	-10.5117	-10.5111	-10.2791	-10.2725	-10.2115	-9.8663
-9.8624	-9.5866	-9.5312	-9.4641	-9.4606	-9.4603	-9.2636	-8.8866
-8.8113	-8.8107	-8.7004	-8.7000	-8.4291	-8.4285	-8.3522	-8.2295
-8.2190	-8.1678	-8.1586	-7.9908	-7.9900	-7.9344	-7.7793	-7.5717
-7.5582	-7.5580	-7.4456	-7.4446	-7.3832	-7.3825	-7.2938	-7.2885
-7.2034	-6.9894	-6.9811	-6.9584	-6.9321	-6.9042	-6.7961	-6.7952
-6.4835	-6.4120	-6.4030	-6.3474	-6.2682	-6.2671	-5.9625	-5.7987
-5.7975	-5.4295	-5.1354	-5.1282	-4.9040	-4.9033	-4.5226	-4.4245
-4.2404	-4.2377	-4.2368	-4.2090	-4.1859	-4.1850	-4.1684	-4.1409
-3.9781	-3.9773	-3.8620	-3.8607	-3.6052	-3.6045	-3.3520	-3.3459
0.5650	0.5668	0.7787	0.7975	0.9123	1.4278	1.6611	1.6705
1.9644	2.2002	2.3113	2.3119	2.5353	2.6642	2.7509	2.7613
2.7914	2.7936	2.7996	2.8201	3.1584	3.1597	3.2927	3.3045
3.3051	3.5527						

k = 0.0000-0.2294 0.0000 ( 64785 PWs) bands (ev):

-21.5223	-21.4196	-20.6316	-20.5842	-20.3810	-20.3800	-20.2775	-20.2770
-19.8960	-19.8951	-19.6668	-19.6658	-19.6645	-19.3622	-18.5779	-18.5768
-18.1025	-18.0713	-18.0705	-17.9470	-17.9460	-17.8501	-17.8475	-17.6571
-17.6559	-16.9763	-16.9754	-16.6750	-16.1435	-16.1388	-16.1307	-16.1265
-14.7877	-14.7861	-14.2632	-12.9068	-12.8995	-12.5165	-12.5119	-12.2937
-12.2931	-12.1263	-11.4969	-11.4962	-11.3852	-11.3791	-11.3021	-11.2985
-11.2305	-11.2300	-10.4928	-10.4922	-10.2592	-10.2527	-10.2460	-9.8307
-9.8268	-9.5999	-9.5543	-9.4720	-9.4717	-9.4690	-9.3041	-8.8817
-8.7967	-8.7961	-8.7216	-8.7213	-8.4048	-8.4042	-8.3712	-8.2080
-8.1986	-8.1800	-8.1708	-7.9984	-7.9976	-7.9302	-7.7987	-7.5404
-7.5401	-7.5269	-7.4528	-7.4518	-7.3921	-7.3914	-7.2772	-7.2714
-7.1995	-7.0048	-6.9831	-6.9535	-6.9183	-6.8949	-6.7803	-6.7794
-6.4571	-6.4141	-6.4052	-6.3619	-6.2854	-6.2844	-5.9427	-5.7987
-5.7975	-5.4120	-5.1652	-5.1577	-4.9287	-4.9280	-4.5390	-4.4337
-4.2550	-4.2356	-4.2346	-4.2288	-4.1892	-4.1842	-4.1832	-4.1483
-3.9799	-3.9791	-3.8651	-3.8638	-3.5859	-3.5853	-3.3203	-3.3142
0.5730	0.5748	0.7444	0.7631	0.9429	1.4337	1.6523	1.6616
1.9702	2.2061	2.3181	2.3188	2.5575	2.6698	2.7279	2.7671
2.7743	2.7746	2.8325	2.8556	3.1497	3.1510	3.2692	3.2961
3.2968	3.5287						

k = 0.0000-0.2373 0.0000 ( 64789 PWs) bands (ev):

-21.5180	-21.4159	-20.6455	-20.6011	-20.3861	-20.3851	-20.2838	-20.2833
-19.8846	-19.8836	-19.6521	-19.6511	-19.6456	-19.3370	-18.5951	-18.5940
-18.1139	-18.0704	-18.0695	-17.9480	-17.9471	-17.8764	-17.8739	-17.6447
-17.6434	-16.9722	-16.9713	-16.7098	-16.1565	-16.1521	-16.0985	-16.0943
-14.7672	-14.7655	-14.2221	-12.9408	-12.9335	-12.5427	-12.5381	-12.2874
-12.2868	-12.1088	-11.5107	-11.5100	-11.3657	-11.3596	-11.3142	-11.3106
-11.2429	-11.2423	-10.4739	-10.4733	-10.3069	-10.2260	-10.2193	-9.7949
-9.7909	-9.6156	-9.5774	-9.4831	-9.4828	-9.4711	-9.3445	-8.8767
-8.7818	-8.7812	-8.7429	-8.7425	-8.3907	-8.3804	-8.3797	-8.1934
-8.1866	-8.1834	-8.1770	-8.0059	-8.0050	-7.9258	-7.8179	-7.5227
-7.5225	-7.4823	-7.4598	-7.4587	-7.4013	-7.4006	-7.2606	-7.2540
-7.1954	-7.0200	-6.9964	-6.9754	-6.8784	-6.8745	-6.7643	-6.7634
-6.4307	-6.4166	-6.4077	-6.3763	-6.3029	-6.3019	-5.9229	-5.7989
-5.7978	-5.3945	-5.1948	-5.1871	-4.9533	-4.9526	-4.5559	-4.4432
-4.2701	-4.2498	-4.2333	-4.2323	-4.2099	-4.1824	-4.1815	-4.1560
-3.9819	-3.9811	-3.8683	-3.8670	-3.5669	-3.5663	-3.2887	-3.2826
0.5812	0.5830	0.7102	0.7288	0.9744	1.4397	1.6434	1.6525
1.9762	2.2122	2.3251	2.3258	2.5802	2.6751	2.7054	2.7551
2.7554	2.7731	2.8680	2.8914	3.1413	3.1426	3.2459	3.2876
3.2882	3.5048						

k = 0.0000-0.2452 0.0000 ( 64781 PWs) bands (ev):

-21.5135	-21.4120	-20.6594	-20.6179	-20.3910	-20.3901	-20.2899	-20.2895
-19.8730	-19.8720	-19.6372	-19.6362	-19.6267	-19.3117	-18.6123	-18.6112
-18.1256	-18.0695	-18.0686	-17.9491	-17.9481	-17.9026	-17.9001	-17.6324
-17.6312	-16.9680	-16.9671	-16.7446	-16.1698	-16.1655	-16.0661	-16.0618
-14.7464	-14.7447	-14.1808	-12.9749	-12.9677	-12.5691	-12.5645	-12.2809
-12.2803	-12.0908	-11.5243	-11.5236	-11.3465	-11.3405	-11.3256	-11.3220
-11.2555	-11.2549	-10.4549	-10.4544	-10.3545	-10.1992	-10.1923	-9.7590
-9.7549	-9.6332	-9.6004	-9.4940	-9.4936	-9.4712	-9.3849	-8.8714
-8.7667	-8.7660	-8.7640	-8.7637	-8.4104	-8.3558	-8.3552	-8.2061
-8.1968	-8.1648	-8.1564	-8.0133	-8.0123	-7.9212	-7.8369	-7.5053
-7.5050	-7.4667	-7.4658	-7.4375	-7.4108	-7.4101	-7.2441	-7.2365
-7.1912	-7.0348	-7.0147	-6.9977	-6.8494	-6.8385	-6.7482	-6.7473
-6.4193	-6.4105	-6.4042	-6.3905	-6.3207	-6.3197	-5.9032	-5.7994
-5.7982	-5.3770	-5.2243	-5.2163	-4.9779	-4.9771	-4.5734	-4.4530

-4.2856	-4.2718	-4.2311	-4.2306	-4.2297	-4.1805	-4.1796	-4.1638
-3.9838	-3.9830	-3.8715	-3.8703	-3.5483	-3.5476	-3.2572	-3.2511
0.5897	0.5915	0.6762	0.6947	1.0066	1.4460	1.6341	1.6432
1.9825	2.2185	2.3324	2.3330	2.6036	2.6759	2.6879	2.7360
2.7364	2.7794	2.9037	2.9272	3.1330	3.1343	3.2227	3.2788
3.2794	3.4811						

k = 0.0000-0.2531 0.0000 ( 64787 PWs)      bands (ev):

-21.5089	-21.4081	-20.6731	-20.6345	-20.3959	-20.3949	-20.2959	-20.2955
-19.8613	-19.8603	-19.6222	-19.6212	-19.6077	-19.2863	-18.6295	-18.6284
-18.1376	-18.0685	-18.0676	-17.9502	-17.9492	-17.9287	-17.9262	-17.6204
-17.6191	-16.9637	-16.9627	-16.7793	-16.1831	-16.1789	-16.0336	-16.0293
-14.7254	-14.7236	-14.1393	-13.0091	-13.0020	-12.5957	-12.5910	-12.2742
-12.2736	-12.0723	-11.5377	-11.5370	-11.3387	-11.3349	-11.3252	-11.3197
-11.2683	-11.2677	-10.4360	-10.4354	-10.4022	-10.1721	-10.1652	-9.7230
-9.7188	-9.6521	-9.6234	-9.5045	-9.5042	-9.4697	-9.4252	-8.8660
-8.7853	-8.7849	-8.7512	-8.7506	-8.4300	-8.3311	-8.3305	-8.2195
-8.2102	-8.1436	-8.1355	-8.0204	-8.0193	-7.9166	-7.8558	-7.4880
-7.4878	-7.4734	-7.4725	-7.4206	-7.4199	-7.3931	-7.2277	-7.2189
-7.1869	-7.0491	-7.0352	-7.0204	-6.8223	-6.7987	-6.7320	-6.7310
-6.4224	-6.4136	-6.4048	-6.3776	-6.3388	-6.3378	-5.8835	-5.8000
-5.7988	-5.3595	-5.2537	-5.2453	-5.0024	-5.0017	-4.5914	-4.4630
-4.3015	-4.2949	-4.2507	-4.2286	-4.2276	-4.1786	-4.1777	-4.1720
-3.9858	-3.9850	-3.8748	-3.8736	-3.5299	-3.5292	-3.2259	-3.2198
0.5984	0.6002	0.6424	0.6609	1.0394	1.4525	1.6247	1.6336
1.9889	2.2250	2.3398	2.3405	2.6274	2.6575	2.6900	2.7173
2.7177	2.7859	2.9393	2.9629	3.1249	3.1262	3.1998	3.2698
3.2704	3.4576						

k = 0.0000-0.2610 0.0000 ( 64787 PWs)      bands (ev):

-21.5041	-21.4040	-20.6867	-20.6510	-20.4006	-20.3997	-20.3018	-20.3014
-19.8495	-19.8485	-19.6071	-19.6060	-19.5886	-19.2608	-18.6467	-18.6456
-18.1499	-18.0675	-18.0666	-17.9546	-17.9522	-17.9513	-17.9504	-17.6086
-17.6073	-16.9592	-16.9583	-16.8140	-16.1965	-16.1923	-16.0010	-15.9967
-14.7042	-14.7023	-14.0976	-13.0434	-13.0364	-12.6225	-12.6178	-12.2672
-12.2666	-12.0533	-11.5509	-11.5501	-11.3491	-11.3454	-11.3066	-11.3007
-11.2813	-11.2807	-10.4499	-10.4170	-10.4164	-10.1449	-10.1379	-9.6868
-9.6827	-9.6719	-9.6464	-9.5149	-9.5146	-9.4670	-9.4654	-8.8604
-8.8065	-8.8061	-8.7355	-8.7348	-8.4496	-8.3063	-8.3056	-8.2333
-8.2240	-8.1225	-8.1145	-8.0274	-8.0263	-7.9117	-7.8746	-7.4799
-7.4790	-7.4709	-7.4707	-7.4306	-7.4299	-7.3488	-7.2119	-7.2010
-7.1825	-7.0628	-7.0569	-7.0435	-6.7943	-6.7591	-6.7156	-6.7146
-6.4258	-6.4189	-6.4170	-6.3571	-6.3561	-6.3509	-5.8639	-5.8009
-5.7997	-5.3420	-5.2830	-5.2742	-5.0269	-5.0262	-4.6099	-4.4734
-4.3189	-4.3180	-4.2711	-4.2261	-4.2252	-4.1803	-4.1766	-4.1757
-3.9879	-3.9871	-3.8782	-3.8770	-3.5118	-3.5111	-3.1947	-3.1886
0.6065	0.6081	0.6108	0.6273	1.0730	1.4591	1.6150	1.6237
1.9955	2.2317	2.3475	2.3481	2.6350	2.6524	2.6960	2.6988
2.6993	2.7925	2.9748	2.9986	3.1170	3.1184	3.1771	3.2605
3.2612	3.4343						

k = 0.0000-0.2689 0.0000 ( 64781 PWs)      bands (ev):

-21.4992	-21.3998	-20.7003	-20.6674	-20.4052	-20.4043	-20.3075	-20.3071
-19.8376	-19.8366	-19.5918	-19.5908	-19.5695	-19.2351	-18.6639	-18.6628
-18.1625	-18.0664	-18.0655	-17.9805	-17.9781	-17.9525	-17.9515	-17.5969
-17.5957	-16.9546	-16.9536	-16.8487	-16.2098	-16.2057	-15.9684	-15.9640
-14.6827	-14.6808	-14.0557	-13.0779	-13.0708	-12.6494	-12.6447	-12.2601
-12.2595	-12.0337	-11.5638	-11.5631	-11.3596	-11.3561	-11.2945	-11.2939
-11.2874	-11.2815	-10.4976	-10.3979	-10.3974	-10.1175	-10.1104	-9.6924

-9.6693	-9.6505	-9.6463	-9.5249	-9.5246	-9.5055	-9.4634	-8.8547
-8.8277	-8.8273	-8.7195	-8.7189	-8.4690	-8.2813	-8.2807	-8.2475
-8.2382	-8.1016	-8.0938	-8.0342	-8.0331	-7.9068	-7.8932	-7.4863
-7.4854	-7.4541	-7.4539	-7.4410	-7.4402	-7.3046	-7.1969	-7.1831
-7.1779	-7.0795	-7.0752	-7.0669	-6.7657	-6.7195	-6.6991	-6.6981
-6.4329	-6.4294	-6.4206	-6.3757	-6.3747	-6.3242	-5.8443	-5.8019
-5.8007	-5.3244	-5.3122	-5.3028	-5.0513	-5.0506	-4.6289	-4.4840
-4.3437	-4.3349	-4.2914	-4.2236	-4.2227	-4.1889	-4.1746	-4.1737
-3.9900	-3.9892	-3.8817	-3.8805	-3.4940	-3.4933	-3.1637	-3.1576
0.5753	0.5938	0.6167	0.6184	1.1073	1.4660	1.6050	1.6137
2.0023	2.2386	2.3553	2.3560	2.6130	2.6772	2.6807	2.6813
2.7025	2.7994	3.0103	3.0342	3.1094	3.1107	3.1545	3.2511
3.2518	3.4113						

k = 0.0000-0.2768 0.0000 ( 64781 PWs) bands (ev):

-21.4941	-21.3955	-20.7137	-20.6836	-20.4097	-20.4088	-20.3131	-20.3127
-19.8256	-19.8246	-19.5764	-19.5753	-19.5504	-19.2093	-18.6810	-18.6799
-18.1754	-18.0654	-18.0645	-18.0062	-18.0038	-17.9536	-17.9527	-17.5856
-17.5843	-16.9499	-16.9489	-16.8833	-16.2231	-16.2191	-15.9358	-15.9313
-14.6610	-14.6591	-14.0137	-13.1124	-13.1054	-12.6765	-12.6718	-12.2528
-12.2522	-12.0138	-11.5765	-11.5758	-11.3699	-11.3664	-11.3078	-11.3072
-11.2681	-11.2622	-10.5453	-10.3789	-10.3783	-10.0900	-10.0828	-9.7133
-9.6921	-9.6142	-9.6098	-9.5455	-9.5347	-9.5344	-9.4592	-8.8489
-8.8488	-8.8485	-8.7033	-8.7027	-8.4884	-8.2621	-8.2562	-8.2556
-8.2528	-8.0808	-8.0731	-8.0409	-8.0397	-7.9117	-7.9017	-7.4925
-7.4916	-7.4516	-7.4509	-7.4374	-7.4372	-7.2605	-7.1837	-7.1732
-7.1650	-7.1026	-7.0909	-7.0855	-6.7367	-6.6824	-6.6814	-6.6801
-6.4468	-6.4333	-6.4246	-6.3945	-6.3935	-6.2974	-5.8249	-5.8031
-5.8020	-5.3413	-5.3312	-5.3069	-5.0758	-5.0750	-4.6484	-4.4949
-4.3693	-4.3523	-4.3119	-4.2211	-4.2202	-4.1977	-4.1725	-4.1716
-3.9922	-3.9914	-3.8852	-3.8841	-3.4765	-3.4759	-3.1329	-3.1268
0.5423	0.5607	0.6261	0.6278	1.1421	1.4731	1.5948	1.6034
2.0093	2.2457	2.3634	2.3640	2.5910	2.6629	2.6633	2.7031
2.7094	2.8065	3.0458	3.0696	3.1019	3.1034	3.1322	3.2415
3.2422	3.3884						

k = 0.0000-0.2847 0.0000 ( 64763 PWs) bands (ev):

-21.4889	-21.3911	-20.7270	-20.6997	-20.4141	-20.4132	-20.3185	-20.3181
-19.8135	-19.8125	-19.5608	-19.5598	-19.5312	-19.1834	-18.6981	-18.6970
-18.1885	-18.0643	-18.0634	-18.0318	-18.0294	-17.9548	-17.9539	-17.5744
-17.5731	-16.9451	-16.9440	-16.9178	-16.2364	-16.2324	-15.9031	-15.8986
-14.6391	-14.6371	-13.9715	-13.1470	-13.1400	-12.7036	-12.6990	-12.2453
-12.2447	-11.9933	-11.5890	-11.5883	-11.3799	-11.3764	-11.3213	-11.3207
-11.2489	-11.2429	-10.5929	-10.3598	-10.3592	-10.0623	-10.0551	-9.7345
-9.7149	-9.5854	-9.5777	-9.5733	-9.5443	-9.5440	-9.4544	-8.8700
-8.8696	-8.8427	-8.6869	-8.6863	-8.5077	-8.2770	-8.2678	-8.2311
-8.2304	-8.0603	-8.0528	-8.0472	-8.0461	-7.9300	-7.8964	-7.4986
-7.4977	-7.4624	-7.4617	-7.4210	-7.4208	-7.2166	-7.1739	-7.1684
-7.1468	-7.1262	-7.1150	-7.0922	-6.7074	-6.6656	-6.6645	-6.6408
-6.4606	-6.4375	-6.4288	-6.4137	-6.4127	-6.2705	-5.8056	-5.8045
-5.8034	-5.3703	-5.3594	-5.2895	-5.1001	-5.0994	-4.6685	-4.5060
-4.3954	-4.3701	-4.3325	-4.2184	-4.2176	-4.2066	-4.1703	-4.1694
-3.9944	-3.9936	-3.8888	-3.8877	-3.4594	-3.4587	-3.1023	-3.0961
0.5095	0.5278	0.6357	0.6374	1.1777	1.4804	1.5845	1.5928
2.0166	2.2530	2.3716	2.3723	2.5691	2.6454	2.6458	2.7165
2.7293	2.8138	3.0809	3.0943	3.0951	3.1063	3.1104	3.2317
3.2324	3.3657						

k = 0.0000-0.2926 0.0000 ( 64769 PWs) bands (ev):

-21.4836	-21.3865	-20.7402	-20.7156	-20.4184	-20.4174	-20.3238	-20.3234
-19.8014	-19.8004	-19.5451	-19.5440	-19.5120	-19.1573	-18.7153	-18.7142
-18.2020	-18.0632	-18.0623	-18.0572	-18.0549	-17.9560	-17.9551	-17.5635
-17.5622	-16.9524	-16.9400	-16.9389	-16.2496	-16.2457	-15.8703	-15.8658
-14.6170	-14.6149	-13.9292	-13.1816	-13.1748	-12.7309	-12.7263	-12.2376
-12.2370	-11.9723	-11.6012	-11.6005	-11.3896	-11.3861	-11.3349	-11.3344
-11.2296	-11.2237	-10.6406	-10.3407	-10.3401	-10.0345	-10.0273	-9.7560
-9.7377	-9.6252	-9.5536	-9.5533	-9.5412	-9.5367	-9.4492	-8.8912
-8.8908	-8.8364	-8.6702	-8.6696	-8.5268	-8.2923	-8.2831	-8.2058
-8.2051	-8.0538	-8.0525	-8.0397	-8.0323	-7.9481	-7.8910	-7.5045
-7.5036	-7.4735	-7.4728	-7.4048	-7.4046	-7.1731	-7.1699	-7.1634
-7.1505	-7.1398	-7.1280	-7.0927	-6.6780	-6.6487	-6.6475	-6.6016
-6.4743	-6.4419	-6.4333	-6.4331	-6.4321	-6.2435	-5.8061	-5.8049
-5.7865	-5.3991	-5.3872	-5.2720	-5.1245	-5.1237	-4.6890	-4.5174
-4.4221	-4.3883	-4.3534	-4.2159	-4.2157	-4.2149	-4.1681	-4.1672
-3.9967	-3.9959	-3.8925	-3.8915	-3.4425	-3.4419	-3.0719	-3.0657
0.4769	0.4951	0.6455	0.6472	1.2138	1.4879	1.5739	1.5821
2.0240	2.2606	2.3801	2.3807	2.5473	2.6282	2.6286	2.7238
2.7560	2.8213	3.0850	3.0882	3.0905	3.1168	3.1408	3.2217
3.2226	3.3432						

k = 0.0000-0.3005 0.0000 ( 64793 PWs) bands (ev):

-21.4781	-21.3818	-20.7533	-20.7314	-20.4225	-20.4216	-20.3290	-20.3286
-19.7891	-19.7881	-19.5293	-19.5282	-19.4927	-19.1311	-18.7323	-18.7312
-18.2157	-18.0826	-18.0803	-18.0620	-18.0612	-17.9573	-17.9563	-17.5527
-17.5515	-16.9868	-16.9349	-16.9338	-16.2628	-16.2590	-15.8376	-15.8330
-14.5947	-14.5926	-13.8867	-13.2163	-13.2095	-12.7584	-12.7537	-12.2297
-12.2291	-11.9509	-11.6131	-11.6124	-11.3989	-11.3955	-11.3487	-11.3481
-11.2104	-11.2044	-10.6882	-10.3216	-10.3210	-10.0067	-9.9994	-9.7776
-9.7604	-9.6649	-9.5626	-9.5623	-9.5046	-9.5001	-9.4435	-8.9123
-8.9119	-8.8300	-8.6534	-8.6528	-8.5457	-8.3080	-8.2988	-8.1804
-8.1797	-8.0599	-8.0586	-8.0196	-8.0123	-7.9661	-7.8855	-7.5103
-7.5093	-7.4849	-7.4842	-7.3889	-7.3887	-7.1754	-7.1730	-7.1646
-7.1583	-7.1292	-7.1095	-7.0861	-6.6485	-6.6316	-6.6302	-6.5626
-6.4879	-6.4527	-6.4517	-6.4465	-6.4380	-6.2165	-5.8079	-5.8067
-5.7677	-5.4278	-5.4147	-5.2545	-5.1487	-5.1480	-4.7100	-4.5291
-4.4493	-4.4070	-4.3745	-4.2253	-4.2130	-4.2122	-4.1658	-4.1649
-3.9990	-3.9982	-3.8963	-3.8952	-3.4261	-3.4254	-3.0418	-3.0356
0.4446	0.4628	0.6556	0.6572	1.2505	1.4955	1.5631	1.5712
2.0316	2.2683	2.3887	2.3894	2.5258	2.6114	2.6118	2.7313
2.7833	2.8290	3.0654	3.0809	3.0820	3.1516	3.1754	3.2118
3.2132	3.3209						

k = 0.0000-0.3084 0.0000 ( 64777 PWs) bands (ev):

-21.4724	-21.3770	-20.7663	-20.7470	-20.4266	-20.4256	-20.3340	-20.3336
-19.7767	-19.7757	-19.5133	-19.5122	-19.4734	-19.1048	-18.7494	-18.7483
-18.2296	-18.1078	-18.1055	-18.0609	-18.0600	-17.9586	-17.9576	-17.5423
-17.5410	-17.0211	-16.9296	-16.9285	-16.2760	-16.2722	-15.8048	-15.8002
-14.5723	-14.5700	-13.8441	-13.2510	-13.2443	-12.7859	-12.7812	-12.2216
-12.2210	-11.9291	-11.6248	-11.6241	-11.4080	-11.4045	-11.3626	-11.3620
-11.1912	-11.1852	-10.7358	-10.3024	-10.3019	-9.9788	-9.9714	-9.7993
-9.7830	-9.7045	-9.5713	-9.5710	-9.4679	-9.4634	-9.4374	-8.9334
-8.9330	-8.8234	-8.6364	-8.6358	-8.5645	-8.3240	-8.3148	-8.1549
-8.1542	-8.0659	-8.0645	-7.9997	-7.9927	-7.9835	-7.8797	-7.5159
-7.5149	-7.4965	-7.4958	-7.3733	-7.3731	-7.2002	-7.1901	-7.1811
-7.1530	-7.0910	-7.0856	-7.0741	-6.6196	-6.6144	-6.6120	-6.5237
-6.5014	-6.4726	-6.4716	-6.4514	-6.4429	-6.1894	-5.8098	-5.8086
-5.7493	-5.4564	-5.4416	-5.2371	-5.1730	-5.1722	-4.7316	-4.5410
-4.4769	-4.4262	-4.3958	-4.2350	-4.2102	-4.2094	-4.1635	-4.1626
-4.0014	-4.0006	-3.9001	-3.8991	-3.4099	-3.4093	-3.0119	-3.0057

0.4127	0.4308	0.6659	0.6675	1.2878	1.5034	1.5520	1.5600
2.0395	2.2762	2.3976	2.3982	2.5044	2.5949	2.5953	2.7390
2.8112	2.8369	3.0441	3.0741	3.0752	3.1845	3.1978	3.2036
3.2160	3.2989						

k = 0.0000-0.3164 0.0000 ( 64773 PWs)      bands (ev):

-21.4666	-21.3720	-20.7791	-20.7625	-20.4305	-20.4296	-20.3388	-20.3384
-19.7643	-19.7633	-19.4972	-19.4961	-19.4541	-19.0783	-18.7664	-18.7653
-18.2438	-18.1329	-18.1306	-18.0597	-18.0588	-17.9599	-17.9589	-17.5321
-17.5308	-17.0554	-16.9242	-16.9230	-16.2891	-16.2854	-15.7720	-15.7673
-14.5496	-14.5473	-13.8014	-13.2858	-13.2791	-12.8134	-12.8087	-12.2133
-12.2127	-11.9068	-11.6363	-11.6356	-11.4167	-11.4132	-11.3766	-11.3760
-11.1720	-11.1660	-10.7834	-10.2832	-10.2827	-9.9508	-9.9433	-9.8211
-9.8056	-9.7440	-9.5798	-9.5795	-9.4326	-9.4305	-9.4258	-8.9545
-8.9541	-8.8166	-8.6192	-8.6186	-8.5832	-8.3404	-8.3312	-8.1293
-8.1286	-8.0717	-8.0703	-8.0019	-7.9798	-7.9725	-7.8739	-7.5213
-7.5204	-7.5084	-7.5077	-7.3578	-7.3577	-7.2256	-7.2157	-7.1919
-7.1477	-7.0719	-7.0594	-7.0422	-6.5973	-6.5970	-6.5870	-6.5149
-6.4927	-6.4917	-6.4849	-6.4565	-6.4480	-6.1623	-5.8118	-5.8106
-5.7316	-5.4849	-5.4677	-5.2197	-5.1971	-5.1964	-4.7536	-4.5532
-4.5049	-4.4458	-4.4174	-4.2449	-4.2074	-4.2066	-4.1611	-4.1602
-4.0038	-4.0030	-3.9040	-3.9029	-3.3941	-3.3935	-2.9822	-2.9760
0.3811	0.3992	0.6763	0.6779	1.3256	1.5115	1.5408	1.5487
2.0475	2.2844	2.4066	2.4072	2.4832	2.5788	2.5793	2.7470
2.8395	2.8450	3.0227	3.0676	3.0687	3.1883	3.1898	3.2246
3.2486	3.2770						

k = 0.0000-0.3243 0.0000 ( 64755 PWs)      bands (ev):

-21.4607	-21.3670	-20.7919	-20.7778	-20.4343	-20.4334	-20.3435	-20.3432
-19.7517	-19.7507	-19.4810	-19.4798	-19.4347	-19.0517	-18.7834	-18.7823
-18.2582	-18.1578	-18.1556	-18.0585	-18.0576	-17.9612	-17.9602	-17.5221
-17.5208	-17.0897	-16.9187	-16.9175	-16.3021	-16.2985	-15.7392	-15.7345
-14.5267	-14.5244	-13.7585	-13.3206	-13.3139	-12.8411	-12.8364	-12.2048
-12.2042	-11.8840	-11.6474	-11.6467	-11.4251	-11.4216	-11.3906	-11.3901
-11.1529	-11.1468	-10.8309	-10.2641	-10.2635	-9.9227	-9.9153	-9.8429
-9.8281	-9.7833	-9.5881	-9.5878	-9.4249	-9.3944	-9.3895	-8.9755
-8.9752	-8.8097	-8.6018	-8.6016	-8.6012	-8.3572	-8.3480	-8.1036
-8.1029	-8.0773	-8.0760	-8.0193	-7.9604	-7.9532	-7.8679	-7.5266
-7.5256	-7.5205	-7.5198	-7.3427	-7.3425	-7.2514	-7.2417	-7.2041
-7.1422	-7.0529	-7.0428	-6.9992	-6.5796	-6.5791	-6.5574	-6.5282
-6.5131	-6.5121	-6.4617	-6.4533	-6.4463	-6.1350	-5.8139	-5.8127
-5.7148	-5.5133	-5.4927	-5.2213	-5.2205	-5.2023	-4.7761	-4.5656
-4.5333	-4.4658	-4.4393	-4.2550	-4.2045	-4.2037	-4.1586	-4.1577
-4.0062	-4.0054	-3.9079	-3.9069	-3.3787	-3.3781	-2.9529	-2.9467
0.3498	0.3679	0.6870	0.6886	1.3640	1.5198	1.5294	1.5371
2.0558	2.2927	2.4158	2.4164	2.4622	2.5631	2.5636	2.7551
2.8533	2.8682	3.0016	3.0613	3.0624	3.1785	3.1794	3.2553
3.2590	3.2836						

k = 0.0000-0.3322 0.0000 ( 64751 PWs)      bands (ev):

-21.4546	-21.3618	-20.8046	-20.7930	-20.4380	-20.4371	-20.3481	-20.3477
-19.7390	-19.7380	-19.4646	-19.4634	-19.4153	-19.0250	-18.8004	-18.7993
-18.2729	-18.1827	-18.1804	-18.0573	-18.0564	-17.9625	-17.9616	-17.5124
-17.5111	-17.1238	-16.9130	-16.9118	-16.3151	-16.3115	-15.7064	-15.7016
-14.5037	-14.5013	-13.7155	-13.3553	-13.3488	-12.8687	-12.8641	-12.1962
-12.1956	-11.8608	-11.6583	-11.6576	-11.4332	-11.4298	-11.4048	-11.4043
-11.1337	-11.1276	-10.8785	-10.2448	-10.2443	-9.8947	-9.8872	-9.8647
-9.8506	-9.8226	-9.5961	-9.5958	-9.4179	-9.3576	-9.3527	-8.9966
-8.9962	-8.8025	-8.6200	-8.5843	-8.5837	-8.3742	-8.3651	-8.0827

-8.0815	-8.0778	-8.0771	-8.0366	-7.9412	-7.9341	-7.8617	-7.5329
-7.5322	-7.5317	-7.5307	-7.3279	-7.3277	-7.2776	-7.2680	-7.2169
-7.1365	-7.0337	-7.0252	-6.9562	-6.5620	-6.5614	-6.5414	-6.5337
-6.5327	-6.5273	-6.4671	-6.4589	-6.4078	-6.1077	-5.8163	-5.8150
-5.6997	-5.5415	-5.5159	-5.2453	-5.2446	-5.1848	-4.7990	-4.5782
-4.5620	-4.4862	-4.4614	-4.2653	-4.2016	-4.2008	-4.1561	-4.1552
-4.0087	-4.0079	-3.9119	-3.9109	-3.3637	-3.3630	-2.9239	-2.9177
0.3189	0.3369	0.6978	0.6994	1.4029	1.5179	1.5253	1.5284
2.0642	2.3013	2.4252	2.4258	2.4414	2.5477	2.5482	2.7634
2.8618	2.8975	2.9806	3.0552	3.0563	3.1678	3.1685	3.2339
3.2939	3.3187						

k = 0.0000-0.3401 0.0000 ( 64761 PWs) bands (ev):

-21.4484	-21.3565	-20.8172	-20.8080	-20.4416	-20.4406	-20.3525	-20.3522
-19.7263	-19.7253	-19.4480	-19.4468	-19.3959	-18.9981	-18.8173	-18.8163
-18.2878	-18.2074	-18.2051	-18.0560	-18.0551	-17.9639	-17.9629	-17.5029
-17.5016	-17.1579	-16.9072	-16.9059	-16.3280	-16.3245	-15.6736	-15.6688
-14.4805	-14.4781	-13.6724	-13.3901	-13.3836	-12.8965	-12.8919	-12.1873
-12.1868	-11.8372	-11.6689	-11.6682	-11.4409	-11.4376	-11.4191	-11.4185
-11.1145	-11.1084	-10.9260	-10.2256	-10.2250	-9.8870	-9.8732	-9.8663
-9.8617	-9.8587	-9.6038	-9.6035	-9.4108	-9.3207	-9.3158	-9.0176
-9.0172	-8.7953	-8.6381	-8.5666	-8.5660	-8.3917	-8.3825	-8.0880
-8.0868	-8.0538	-8.0520	-8.0512	-7.9222	-7.9153	-7.8555	-7.5455
-7.5449	-7.5366	-7.5357	-7.3133	-7.3132	-7.3041	-7.2947	-7.2302
-7.1307	-7.0143	-7.0071	-6.9134	-6.5552	-6.5540	-6.5535	-6.5443
-6.5436	-6.4970	-6.4727	-6.4645	-6.3695	-6.0804	-5.8186	-5.8174
-5.6876	-5.5696	-5.5361	-5.2693	-5.2686	-5.1675	-4.8225	-4.5912
-4.5911	-4.5072	-4.4838	-4.2758	-4.1986	-4.1979	-4.1535	-4.1526
-4.0112	-4.0105	-3.9159	-3.9150	-3.3490	-3.3484	-2.8952	-2.8890
0.2884	0.3064	0.7089	0.7104	1.4422	1.5061	1.5135	1.5370
2.0729	2.3100	2.4208	2.4347	2.4354	2.5327	2.5332	2.7720
2.8706	2.9271	2.9598	3.0493	3.0504	3.1568	3.1575	3.2126
3.3289	3.3538						

k = 0.0000-0.3480 0.0000 ( 64789 PWs) bands (ev):

-21.4420	-21.3510	-20.8297	-20.8229	-20.4450	-20.4441	-20.3568	-20.3564
-19.7135	-19.7124	-19.4314	-19.4302	-19.3764	-18.9711	-18.8343	-18.8332
-18.3029	-18.2319	-18.2297	-18.0547	-18.0538	-17.9653	-17.9643	-17.4937
-17.4924	-17.1918	-16.9012	-16.9000	-16.3409	-16.3374	-15.6408	-15.6360
-14.4572	-14.4547	-13.6291	-13.4248	-13.4183	-12.9243	-12.9197	-12.1783
-12.1777	-11.8131	-11.6793	-11.6785	-11.4484	-11.4451	-11.4334	-11.4328
-11.0953	-11.0892	-10.9734	-10.2063	-10.2058	-9.9088	-9.9007	-9.8954
-9.8383	-9.8306	-9.6112	-9.6110	-9.4035	-9.2839	-9.2789	-9.0386
-9.0382	-8.7878	-8.6561	-8.5488	-8.5482	-8.4094	-8.4003	-8.0932
-8.0921	-8.0707	-8.0261	-8.0253	-7.9036	-7.8967	-7.8490	-7.5584
-7.5577	-7.5414	-7.5405	-7.3310	-7.3217	-7.2991	-7.2989	-7.2436
-7.1248	-6.9948	-6.9884	-6.8708	-6.5757	-6.5747	-6.5674	-6.5264
-6.5257	-6.4786	-6.4710	-6.4656	-6.3313	-6.0530	-5.8211	-5.8199
-5.6807	-5.5976	-5.5510	-5.2933	-5.2926	-5.1501	-4.8464	-4.6204
-4.6043	-4.5285	-4.5065	-4.2865	-4.1956	-4.1949	-4.1509	-4.1500
-4.0138	-4.0130	-3.9200	-3.9191	-3.3347	-3.3341	-2.8669	-2.8607
0.2584	0.2763	0.7201	0.7216	1.4820	1.4943	1.5014	1.5459
2.0817	2.3190	2.4003	2.4444	2.4451	2.5181	2.5186	2.7807
2.8795	2.9390	2.9575	3.0435	3.0447	3.1456	3.1463	3.1916
3.3639	3.3889						

k = 0.0000-0.3559 0.0000 ( 64800 PWs) bands (ev):

-21.4355	-21.3455	-20.8422	-20.8375	-20.4484	-20.4474	-20.3609	-20.3606
-19.7005	-19.6995	-19.4145	-19.4133	-19.3570	-18.9440	-18.8511	-18.8500



-18.3183	-18.2564	-18.2542	-18.0534	-18.0525	-17.9667	-17.9657	-17.4848
-17.4835	-17.2257	-16.8952	-16.8939	-16.3537	-16.3502	-15.6080	-15.6032
-14.4337	-14.4311	-13.5857	-13.4594	-13.4531	-12.9521	-12.9475	-12.1691
-12.1685	-11.7887	-11.6893	-11.6885	-11.4556	-11.4523	-11.4478	-11.4472
-11.0762	-11.0700	-11.0208	-10.1870	-10.1865	-9.9396	-9.9306	-9.9178
-9.8102	-9.8024	-9.6185	-9.6182	-9.3959	-9.2470	-9.2420	-9.0596
-9.0592	-8.7802	-8.6740	-8.5310	-8.5303	-8.4275	-8.4184	-8.0982
-8.0976	-8.0869	-8.0001	-7.9994	-7.8853	-7.8785	-7.8424	-7.5715
-7.5708	-7.5460	-7.5451	-7.3581	-7.3491	-7.2852	-7.2850	-7.2572
-7.1188	-6.9752	-6.9694	-6.8284	-6.5970	-6.5960	-6.5804	-6.5085
-6.5078	-6.4843	-6.4764	-6.4356	-6.2933	-6.0256	-5.8237	-5.8225
-5.6816	-5.6255	-5.5579	-5.3171	-5.3164	-5.1329	-4.8708	-4.6500
-4.6176	-4.5503	-4.5295	-4.2974	-4.1926	-4.1919	-4.1482	-4.1473
-4.0164	-4.0156	-3.9241	-3.9232	-3.3209	-3.3202	-2.8390	-2.8328
0.2288	0.2466	0.7315	0.7330	1.4820	1.4891	1.5225	1.5550
2.0908	2.3281	2.3802	2.4543	2.4550	2.5039	2.5044	2.7896
2.8885	2.9187	2.9879	3.0380	3.0391	3.1343	3.1349	3.1707
3.3989	3.4240						

k = 0.0000-0.3638 0.0000 ( 64796 PWs) bands (ev):

-21.4288	-21.3398	-20.8548	-20.8517	-20.4516	-20.4507	-20.3649	-20.3646
-19.6875	-19.6865	-19.3976	-19.3964	-19.3374	-18.9167	-18.8680	-18.8669
-18.3338	-18.2807	-18.2785	-18.0521	-18.0512	-17.9681	-17.9671	-17.4761
-17.4749	-17.2595	-16.8890	-16.8876	-16.3664	-16.3630	-15.5753	-15.5704
-14.4100	-14.4074	-13.5423	-13.4939	-13.4877	-12.9799	-12.9753	-12.1597
-12.1592	-11.7638	-11.6990	-11.6983	-11.4626	-11.4622	-11.4617	-11.4592
-11.0685	-11.0567	-11.0507	-10.1677	-10.1672	-9.9783	-9.9525	-9.9400
-9.7820	-9.7742	-9.6254	-9.6251	-9.3881	-9.2101	-9.2050	-9.0805
-9.0801	-8.7724	-8.6917	-8.5129	-8.5123	-8.4459	-8.4368	-8.1071
-8.1028	-8.0992	-7.9740	-7.9733	-7.8672	-7.8607	-7.8355	-7.5848
-7.5841	-7.5505	-7.5496	-7.3857	-7.3767	-7.2716	-7.2714	-7.2707
-7.1126	-6.9554	-6.9501	-6.7862	-6.6185	-6.6175	-6.5932	-6.4923
-6.4906	-6.4878	-6.4819	-6.4049	-6.2555	-5.9981	-5.8263	-5.8251
-5.6914	-5.6532	-5.5558	-5.3409	-5.3402	-5.1156	-4.8956	-4.6799
-4.6312	-4.5724	-4.5527	-4.3085	-4.1895	-4.1888	-4.1454	-4.1445
-4.0191	-4.0183	-3.9283	-3.9274	-3.3074	-3.3068	-2.8115	-2.8053
0.1996	0.2175	0.7430	0.7446	1.4697	1.4767	1.5627	1.5649
2.1000	2.3372	2.3604	2.4644	2.4650	2.4901	2.4906	2.7987
2.8962	2.9001	3.0189	3.0327	3.0338	3.1228	3.1234	3.1501
3.4338	3.4591						

k = 0.0000-0.3717 0.0000 ( 64804 PWs) bands (ev):

-21.4220	-21.3340	-20.8681	-20.8650	-20.4547	-20.4538	-20.3688	-20.3684
-19.6744	-19.6734	-19.3805	-19.3793	-19.3179	-18.8893	-18.8848	-18.8837
-18.3495	-18.3049	-18.3028	-18.0508	-18.0499	-17.9695	-17.9686	-17.4677
-17.4665	-17.2932	-16.8826	-16.8812	-16.3790	-16.3757	-15.5427	-15.5377
-14.3862	-14.3835	-13.5286	-13.5224	-13.4984	-13.0078	-13.0032	-12.1502
-12.1496	-11.7386	-11.7084	-11.7077	-11.4767	-11.4762	-11.4691	-11.4659
-11.1157	-11.0377	-11.0315	-10.1484	-10.1478	-10.0169	-9.9743	-9.9622
-9.7538	-9.7460	-9.6321	-9.6318	-9.3801	-9.1733	-9.1681	-9.1014
-9.1010	-8.7645	-8.7091	-8.4948	-8.4942	-8.4647	-8.4556	-8.1224
-8.1074	-8.1051	-7.9480	-7.9472	-7.8496	-7.8433	-7.8285	-7.5984
-7.5977	-7.5548	-7.5539	-7.4135	-7.4047	-7.2843	-7.2583	-7.2581
-7.1063	-6.9354	-6.9306	-6.7442	-6.6402	-6.6392	-6.6059	-6.4967
-6.4890	-6.4717	-6.4709	-6.3741	-6.2178	-5.9706	-5.8290	-5.8278
-5.7081	-5.6808	-5.5468	-5.3647	-5.3640	-5.0984	-4.9209	-4.7100
-4.6451	-4.5950	-4.5761	-4.3198	-4.1864	-4.1857	-4.1426	-4.1417
-4.0217	-4.0210	-3.9325	-3.9317	-3.2943	-3.2937	-2.7844	-2.7782
0.1710	0.1888	0.7548	0.7564	1.4573	1.4642	1.5737	1.6046
2.1095	2.3388	2.3485	2.4745	2.4751	2.4769	2.4774	2.8081

2.8782	2.9077	3.0275	3.0287	3.0503	3.1111	3.1118	3.1297
3.4686	3.4940						

k = 0.0000-0.3796 0.0000 ( 64802 PWs)      bands (ev):

-21.4150	-21.3280	-20.8820	-20.8775	-20.4577	-20.4568	-20.3725	-20.3721
-19.6612	-19.6602	-19.3633	-19.3620	-19.2984	-18.9015	-18.9004	-18.8618
-18.3655	-18.3290	-18.3268	-18.0494	-18.0485	-17.9710	-17.9700	-17.4596
-17.4583	-17.3268	-16.8761	-16.8747	-16.3915	-16.3882	-15.5101	-15.5051
-14.3622	-14.3595	-13.5629	-13.5568	-13.4548	-13.0357	-13.0311	-12.1405
-12.1399	-11.7176	-11.7169	-11.7127	-11.4912	-11.4907	-11.4755	-11.4722
-11.1630	-11.0185	-11.0122	-10.1290	-10.1285	-10.0554	-9.9961	-9.9843
-9.7257	-9.7178	-9.6385	-9.6382	-9.3719	-9.1364	-9.1312	-9.1224
-9.1220	-8.7565	-8.7264	-8.4838	-8.4766	-8.4760	-8.4746	-8.1385
-8.1119	-8.1098	-7.9218	-7.9210	-7.8324	-7.8269	-7.8206	-7.6122
-7.6115	-7.5590	-7.5580	-7.4417	-7.4330	-7.2977	-7.2454	-7.2452
-7.0999	-6.9153	-6.9108	-6.7024	-6.6622	-6.6612	-6.6185	-6.5027
-6.4951	-6.4534	-6.4526	-6.3432	-6.1803	-5.9430	-5.8318	-5.8306
-5.7289	-5.7082	-5.5335	-5.3883	-5.3877	-5.0811	-4.9467	-4.7403
-4.6591	-4.6180	-4.5998	-4.3313	-4.1833	-4.1826	-4.1397	-4.1388
-4.0245	-4.0237	-3.9367	-3.9359	-3.2817	-3.2810	-2.7579	-2.7517
0.1429	0.1607	0.7667	0.7683	1.4448	1.4514	1.5834	1.6462
2.1191	2.3201	2.3574	2.4638	2.4643	2.4850	2.4857	2.8176
2.8584	2.9174	3.0226	3.0237	3.0821	3.0994	3.1000	3.1095
3.5034	3.5289						

k = 0.0000-0.3875 0.0000 ( 64790 PWs)      bands (ev):

-21.4079	-21.3220	-20.8960	-20.8895	-20.4606	-20.4596	-20.3760	-20.3757
-19.6479	-19.6469	-19.3459	-19.3446	-19.2788	-18.9182	-18.9171	-18.8341
-18.3816	-18.3529	-18.3508	-18.0481	-18.0472	-17.9724	-17.9715	-17.4518
-17.4505	-17.3603	-16.8695	-16.8681	-16.4040	-16.4007	-15.4776	-15.4726
-14.3381	-14.3353	-13.5971	-13.5911	-13.4110	-13.0636	-13.0591	-12.1305
-12.1300	-11.7263	-11.7256	-11.6868	-11.5058	-11.5052	-11.4815	-11.4783
-11.2103	-10.9992	-10.9929	-10.1096	-10.1091	-10.0937	-10.0179	-10.0064
-9.6976	-9.6897	-9.6447	-9.6444	-9.3635	-9.1432	-9.1428	-9.0996
-9.0943	-8.7491	-8.7426	-8.5031	-8.4940	-8.4583	-8.4577	-8.1547
-8.1161	-8.1142	-7.8956	-7.8948	-7.8170	-7.8140	-7.8078	-7.6262
-7.6255	-7.5629	-7.5620	-7.4702	-7.4616	-7.3112	-7.2328	-7.2327
-7.0933	-6.8951	-6.8909	-6.6843	-6.6833	-6.6608	-6.6310	-6.5088
-6.5013	-6.4349	-6.4341	-6.3121	-6.1429	-5.9154	-5.8346	-5.8333
-5.7519	-5.7356	-5.5180	-5.4118	-5.4113	-5.0640	-4.9728	-4.7708
-4.6734	-4.6413	-4.6238	-4.3429	-4.1801	-4.1794	-4.1367	-4.1359
-4.0272	-4.0264	-3.9410	-3.9402	-3.2694	-3.2688	-2.7318	-2.7257
0.1154	0.1332	0.7787	0.7803	1.4321	1.4386	1.5933	1.6883
2.1290	2.3008	2.3672	2.4514	2.4518	2.4955	2.4962	2.8273
2.8388	2.9273	3.0178	3.0190	3.0875	3.0881	3.0895	3.1142
3.5287	3.5382						

k = 0.0000-0.3954 0.0000 ( 64802 PWs)      bands (ev):

-21.4007	-21.3158	-20.9100	-20.9013	-20.4634	-20.4624	-20.3794	-20.3791
-19.6345	-19.6335	-19.3284	-19.3271	-19.2592	-18.9349	-18.9338	-18.8063
-18.3980	-18.3767	-18.3746	-18.0467	-18.0458	-17.9739	-17.9730	-17.4442
-17.4430	-17.3937	-16.8628	-16.8613	-16.4163	-16.4132	-15.4453	-15.4402
-14.3139	-14.3110	-13.6312	-13.6252	-13.3671	-13.0915	-13.0870	-12.1205
-12.1199	-11.7348	-11.7341	-11.6604	-11.5204	-11.5198	-11.4873	-11.4841
-11.2576	-10.9800	-10.9736	-10.1319	-10.0902	-10.0896	-10.0396	-10.0284
-9.6695	-9.6615	-9.6506	-9.6503	-9.3549	-9.1641	-9.1637	-9.0628
-9.0574	-8.7610	-8.7392	-8.5228	-8.5137	-8.4399	-8.4393	-8.1708
-8.1202	-8.1184	-7.8693	-7.8686	-7.8083	-7.7984	-7.7919	-7.6404
-7.6397	-7.5668	-7.5658	-7.4990	-7.4904	-7.3245	-7.2207	-7.2205

-7.0866	-6.8748	-6.8707	-6.7067	-6.7057	-6.6433	-6.6194	-6.5150
-6.5076	-6.4163	-6.4155	-6.2810	-6.1058	-5.8877	-5.8374	-5.8362
-5.7762	-5.7627	-5.5012	-5.4353	-5.4348	-5.0469	-4.9994	-4.8016
-4.6878	-4.6651	-4.6479	-4.3548	-4.1769	-4.1762	-4.1337	-4.1328
-4.0300	-4.0292	-3.9453	-3.9446	-3.2577	-3.2570	-2.7064	-2.7002
0.0886	0.1063	0.7909	0.7926	1.4192	1.4256	1.6034	1.7307
2.1390	2.2816	2.3774	2.4393	2.4398	2.5062	2.5068	2.8193
2.8372	2.9374	3.0131	3.0144	3.0698	3.0755	3.0761	3.1467
3.5097	3.5534						

k = 0.0000-0.4034 0.0000 ( 64788 PWs) bands (ev):

-21.3933	-21.3095	-20.9239	-20.9130	-20.4660	-20.4650	-20.3827	-20.3824
-19.6210	-19.6200	-19.3108	-19.3095	-19.2396	-18.9515	-18.9505	-18.7784
-18.4145	-18.4004	-18.3983	-18.0453	-18.0444	-17.9754	-17.9745	-17.4370
-17.4357	-17.4270	-16.8559	-16.8544	-16.4286	-16.4255	-15.4130	-15.4079
-14.2895	-14.2866	-13.6651	-13.6592	-13.3230	-13.1194	-13.1149	-12.1102
-12.1096	-11.7430	-11.7423	-11.6336	-11.5349	-11.5344	-11.4929	-11.4897
-11.3048	-10.9606	-10.9543	-10.1699	-10.0707	-10.0702	-10.0613	-10.0504
-9.6563	-9.6560	-9.6414	-9.6335	-9.3461	-9.1849	-9.1845	-9.0260
-9.0205	-8.7777	-8.7307	-8.5427	-8.5337	-8.4215	-8.4209	-8.1868
-8.1241	-8.1223	-7.8431	-7.8423	-7.8006	-7.7823	-7.7761	-7.6548
-7.6541	-7.5704	-7.5695	-7.5280	-7.5196	-7.3378	-7.2089	-7.2088
-7.0797	-6.8543	-6.8504	-6.7292	-6.7282	-6.6557	-6.5783	-6.5211
-6.5139	-6.3975	-6.3967	-6.2498	-6.0688	-5.8600	-5.8402	-5.8390
-5.8012	-5.7898	-5.4842	-5.4584	-5.4578	-5.0298	-5.0264	-4.8325
-4.7025	-4.6893	-4.6723	-4.3668	-4.1736	-4.1730	-4.1306	-4.1298
-4.0328	-4.0320	-3.9497	-3.9489	-3.2463	-3.2457	-2.6815	-2.6753
0.0623	0.0801	0.8033	0.8050	1.4062	1.4125	1.6137	1.7735
2.1493	2.2626	2.3878	2.4277	2.4282	2.5170	2.5177	2.8001
2.8473	2.9478	3.0086	3.0100	3.0504	3.0634	3.0640	3.1796
3.4908	3.5489						

k = 0.0000-0.4113 0.0000 ( 64786 PWs) bands (ev):

-21.3857	-21.3031	-20.9376	-20.9246	-20.4685	-20.4676	-20.3858	-20.3855
-19.6074	-19.6064	-19.2930	-19.2917	-19.2201	-18.9681	-18.9670	-18.7504
-18.4311	-18.4239	-18.4219	-18.0438	-18.0429	-17.9769	-17.9760	-17.4602
-17.4300	-17.4288	-16.8489	-16.8473	-16.4408	-16.4377	-15.3810	-15.3758
-14.2650	-14.2620	-13.6988	-13.6930	-13.2789	-13.1472	-13.1428	-12.0998
-12.0992	-11.7508	-11.7501	-11.6064	-11.5495	-11.5490	-11.4981	-11.4949
-11.3520	-10.9413	-10.9349	-10.2078	-10.0830	-10.0723	-10.0512	-10.0507
-9.6617	-9.6614	-9.6134	-9.6054	-9.3370	-9.2057	-9.2053	-8.9893
-8.9837	-8.7943	-8.7220	-8.5630	-8.5539	-8.4030	-8.4024	-8.2026
-8.1279	-8.1261	-7.8168	-7.8160	-7.7929	-7.7667	-7.7606	-7.6694
-7.6687	-7.5740	-7.5732	-7.5573	-7.5490	-7.3510	-7.1975	-7.1974
-7.0727	-6.8338	-6.8300	-6.7520	-6.7510	-6.6679	-6.5375	-6.5271
-6.5201	-6.3786	-6.3778	-6.2185	-6.0320	-5.8430	-5.8418	-5.8323
-5.8266	-5.8167	-5.4841	-5.4818	-5.4630	-5.0538	-5.0127	-4.8635
-4.7174	-4.7138	-4.6969	-4.3791	-4.1704	-4.1698	-4.1274	-4.1266
-4.0357	-4.0349	-3.9541	-3.9533	-3.2354	-3.2348	-2.6572	-2.6510
0.0368	0.0545	0.8158	0.8175	1.3931	1.3993	1.6242	1.8167
2.1598	2.2438	2.3984	2.4166	2.4171	2.5280	2.5286	2.7810
2.8576	2.9583	3.0041	3.0058	3.0314	3.0512	3.0518	3.2128
3.4720	3.5446						

k = 0.0000-0.4192 0.0000 ( 64798 PWs) bands (ev):

-21.3780	-21.2965	-20.9513	-20.9360	-20.4709	-20.4700	-20.3888	-20.3885
-19.5938	-19.5928	-19.2751	-19.2737	-19.2004	-18.9846	-18.9836	-18.7222
-18.4480	-18.4473	-18.4453	-18.0424	-18.0415	-17.9785	-17.9775	-17.4933
-17.4234	-17.4221	-16.8417	-16.8402	-16.4528	-16.4498	-15.3491	-15.3439

-14.2403	-14.2373	-13.7322	-13.7265	-13.2347	-13.1751	-13.1706	-12.0892
-12.0887	-11.7583	-11.7576	-11.5789	-11.5641	-11.5636	-11.5031	-11.4999
-11.3991	-10.9219	-10.9155	-10.2456	-10.1046	-10.0941	-10.0317	-10.0312
-9.6669	-9.6666	-9.5855	-9.5774	-9.3278	-9.2265	-9.2261	-8.9526
-8.9470	-8.8108	-8.7130	-8.5836	-8.5745	-8.3845	-8.3839	-8.2183
-8.1315	-8.1297	-7.7904	-7.7896	-7.7851	-7.7515	-7.7455	-7.6842
-7.6835	-7.5875	-7.5802	-7.5762	-7.5756	-7.3641	-7.1866	-7.1864
-7.0656	-6.8131	-6.8095	-6.7749	-6.7739	-6.6799	-6.5332	-6.5264
-6.4966	-6.3596	-6.3588	-6.1872	-5.9954	-5.8522	-5.8458	-5.8446
-5.8434	-5.8046	-5.5064	-5.5051	-5.4454	-5.0816	-4.9957	-4.8947
-4.7387	-4.7324	-4.7217	-4.3914	-4.1671	-4.1665	-4.1242	-4.1234
-4.0385	-4.0377	-3.9585	-3.9578	-3.2250	-3.2243	-2.6336	-2.6275
0.0119	0.0297	0.8284	0.8302	1.3799	1.3859	1.6348	1.8602
2.1704	2.2252	2.4058	2.4063	2.4092	2.5391	2.5397	2.7621
2.8681	2.9691	2.9988	3.0018	3.0137	3.0389	3.0395	3.2462
3.4535	3.5404						

k = 0.0000-0.4271 0.0000 ( 64818 PWs) bands (ev):

-21.3702	-21.2899	-20.9647	-20.9474	-20.4732	-20.4723	-20.3916	-20.3913
-19.5800	-19.5790	-19.2570	-19.2557	-19.1808	-19.0011	-19.0001	-18.6939
-18.4706	-18.4686	-18.4650	-18.0409	-18.0400	-17.9800	-17.9791	-17.5263
-17.4170	-17.4157	-16.8344	-16.8329	-16.4648	-16.4618	-15.3175	-15.3122
-14.2155	-14.2125	-13.7654	-13.7598	-13.2031	-13.1988	-13.1899	-12.0785
-12.0779	-11.7655	-11.7648	-11.5787	-11.5781	-11.5510	-11.5079	-11.5047
-11.4462	-10.9025	-10.8960	-10.2831	-10.1261	-10.1159	-10.0122	-10.0117
-9.6718	-9.6715	-9.5576	-9.5495	-9.3184	-9.2472	-9.2468	-8.9160
-8.9103	-8.8271	-8.7039	-8.6044	-8.5954	-8.3659	-8.3653	-8.2338
-8.1349	-8.1331	-7.7772	-7.7641	-7.7633	-7.7367	-7.7310	-7.6992
-7.6986	-7.6172	-7.6091	-7.5802	-7.5793	-7.3771	-7.1760	-7.1759
-7.0584	-6.7985	-6.7978	-6.7916	-6.7883	-6.6919	-6.5391	-6.5325
-6.4562	-6.3404	-6.3396	-6.1558	-5.9590	-5.8780	-5.8700	-5.8486
-5.8474	-5.7768	-5.5294	-5.5283	-5.4268	-5.1099	-4.9788	-4.9261
-4.7640	-4.7477	-4.7467	-4.4040	-4.1639	-4.1632	-4.1210	-4.1202
-4.0414	-4.0406	-3.9629	-3.9622	-3.2150	-3.2144	-2.6107	-2.6046
-0.0121	0.0056	0.8412	0.8430	1.3666	1.3724	1.6457	1.9040
2.1813	2.2069	2.3956	2.3961	2.4202	2.5503	2.5509	2.7435
2.8787	2.9800	2.9885	2.9979	3.0015	3.0265	3.0271	3.2800
3.4351	3.5362						

k = 0.0000-0.4350 0.0000 ( 64816 PWs) bands (ev):

-21.3622	-21.2831	-20.9781	-20.9585	-20.4754	-20.4744	-20.3943	-20.3940
-19.5662	-19.5652	-19.2388	-19.2375	-19.1612	-19.0176	-19.0165	-18.6655
-18.4938	-18.4918	-18.4821	-18.0394	-18.0385	-17.9816	-17.9807	-17.5592
-17.4110	-17.4097	-16.8270	-16.8254	-16.4767	-16.4737	-15.2861	-15.2808
-14.1906	-14.1876	-13.7982	-13.7927	-13.2308	-13.2264	-13.1458	-12.0676
-12.0670	-11.7723	-11.7716	-11.5933	-11.5927	-11.5227	-11.5125	-11.5092
-11.4931	-10.8831	-10.8765	-10.3206	-10.1476	-10.1376	-9.9926	-9.9921
-9.6764	-9.6761	-9.5298	-9.5217	-9.3088	-9.2679	-9.2675	-8.8796
-8.8738	-8.8430	-8.6946	-8.6255	-8.6165	-8.3473	-8.3467	-8.2492
-8.1381	-8.1363	-7.7692	-7.7377	-7.7369	-7.7225	-7.7169	-7.7144
-7.7138	-7.6474	-7.6393	-7.5833	-7.5824	-7.3899	-7.1659	-7.1658
-7.0511	-6.8215	-6.8205	-6.7713	-6.7679	-6.7037	-6.5449	-6.5384
-6.4161	-6.3212	-6.3203	-6.1243	-5.9228	-5.9037	-5.8964	-5.8514
-5.8501	-5.7491	-5.5525	-5.5515	-5.4079	-5.1385	-4.9619	-4.9575
-4.7897	-4.7719	-4.7632	-4.4168	-4.1606	-4.1600	-4.1176	-4.1169
-4.0444	-4.0436	-3.9673	-3.9667	-3.2055	-3.2048	-2.5886	-2.5825
-0.0353	-0.0176	0.8540	0.8559	1.3532	1.3589	1.6568	1.9481
2.1883	2.1929	2.3859	2.3864	2.4315	2.5616	2.5623	2.7250
2.8895	2.9717	2.9908	2.9941	2.9966	3.0141	3.0147	3.3140
3.4169	3.5282						

k = 0.0000-0.4429 0.0000 ( 64828 PWs) bands (ev):

-21.3541	-21.2762	-20.9913	-20.9696	-20.4774	-20.4765	-20.3968	-20.3965
-19.5523	-19.5513	-19.2205	-19.2191	-19.1416	-19.0339	-19.0329	-18.6369
-18.5168	-18.5148	-18.4995	-18.0380	-18.0370	-17.9832	-17.9822	-17.5920
-17.4052	-17.4039	-16.8195	-16.8178	-16.4885	-16.4856	-15.2551	-15.2497
-14.1656	-14.1625	-13.8306	-13.8252	-13.2586	-13.2542	-13.1013	-12.0565
-12.0560	-11.7788	-11.7781	-11.6078	-11.6073	-11.5405	-11.5164	-11.5134
-11.4942	-10.8636	-10.8570	-10.3578	-10.1691	-10.1592	-9.9731	-9.9725
-9.6808	-9.6805	-9.5021	-9.4939	-9.2991	-9.2886	-9.2882	-8.8601
-8.8422	-8.8369	-8.6851	-8.6469	-8.6379	-8.3287	-8.3281	-8.2644
-8.1412	-8.1394	-7.7611	-7.7298	-7.7292	-7.7113	-7.7105	-7.7088
-7.7035	-7.6778	-7.6698	-7.5862	-7.5852	-7.4027	-7.1563	-7.1562
-7.0436	-6.8449	-6.8440	-6.7505	-6.7471	-6.7154	-6.5504	-6.5441
-6.3763	-6.3018	-6.3009	-6.0927	-5.9295	-5.9226	-5.8867	-5.8541
-5.8528	-5.7213	-5.5755	-5.5745	-5.3889	-5.1675	-4.9891	-4.9451
-4.8157	-4.7974	-4.7788	-4.4297	-4.1573	-4.1567	-4.1142	-4.1135
-4.0473	-4.0465	-3.9718	-3.9712	-3.1964	-3.1958	-2.5672	-2.5612
-0.0577	-0.0400	0.8670	0.8689	1.3396	1.3452	1.6681	1.9923
2.1710	2.2037	2.3767	2.3772	2.4429	2.5731	2.5738	2.7067
2.9004	2.9537	2.9905	2.9918	3.0015	3.0021	3.0030	3.3483
3.3989	3.5109						

k = 0.0000-0.4508 0.0000 ( 64836 PWs) bands (ev):

-21.3458	-21.2691	-21.0043	-20.9806	-20.4794	-20.4784	-20.3992	-20.3989
-19.5383	-19.5373	-19.2020	-19.2006	-19.1220	-19.0503	-19.0492	-18.6082
-18.5397	-18.5378	-18.5169	-18.0364	-18.0355	-17.9847	-17.9838	-17.6247
-17.3998	-17.3985	-16.8118	-16.8101	-16.5001	-16.4973	-15.2244	-15.2190
-14.1405	-14.1373	-13.8625	-13.8573	-13.2864	-13.2820	-13.0567	-12.0453
-12.0448	-11.7849	-11.7842	-11.6224	-11.6218	-11.5874	-11.5204	-11.5174
-11.4652	-10.8441	-10.8374	-10.3949	-10.1905	-10.1808	-9.9534	-9.9529
-9.6849	-9.6847	-9.4744	-9.4662	-9.3093	-9.3088	-9.2891	-8.8754
-8.8062	-8.8006	-8.6755	-8.6686	-8.6596	-8.3101	-8.3095	-8.2794
-8.1441	-8.1423	-7.7528	-7.7454	-7.7447	-7.7089	-7.7010	-7.6953
-7.6902	-7.6849	-7.6841	-7.5888	-7.5879	-7.4153	-7.1471	-7.1470
-7.0360	-6.8686	-6.8676	-6.7297	-6.7270	-6.7263	-6.5556	-6.5495
-6.3369	-6.2822	-6.2814	-6.0612	-5.9552	-5.9485	-5.8567	-5.8556
-5.8507	-5.6934	-5.5985	-5.5975	-5.3698	-5.1968	-5.0208	-4.9284
-4.8421	-4.8229	-4.7946	-4.4427	-4.1539	-4.1534	-4.1108	-4.1100
-4.0503	-4.0495	-3.9763	-3.9757	-3.1879	-3.1872	-2.5467	-2.5407
-0.0792	-0.0615	0.8802	0.8821	1.3260	1.3314	1.6796	2.0363
2.1541	2.2152	2.3679	2.3684	2.4546	2.5847	2.5853	2.6887
2.9113	2.9358	2.9862	2.9875	2.9902	2.9906	3.0144	3.3810
3.3829	3.4928						

k = 0.0000-0.4587 0.0000 ( 64850 PWs) bands (ev):

-21.3374	-21.2620	-21.0172	-20.9914	-20.4812	-20.4803	-20.4015	-20.4012
-19.5242	-19.5232	-19.1834	-19.1820	-19.1024	-19.0665	-19.0655	-18.5794
-18.5624	-18.5605	-18.5345	-18.0349	-18.0340	-17.9863	-17.9854	-17.6573
-17.3947	-17.3934	-16.8040	-16.8023	-16.5117	-16.5089	-15.1942	-15.1887
-14.1152	-14.1120	-13.8940	-13.8889	-13.3141	-13.3098	-13.0119	-12.0340
-12.0334	-11.7907	-11.7900	-11.6369	-11.6363	-11.6342	-11.5242	-11.5211
-11.4360	-10.8245	-10.8178	-10.4318	-10.2119	-10.2023	-9.9338	-9.9333
-9.6888	-9.6886	-9.4469	-9.4386	-9.3299	-9.3295	-9.2790	-8.8910
-8.7700	-8.7642	-8.6905	-8.6815	-8.6656	-8.2943	-8.2915	-8.2908
-8.1468	-8.1450	-7.7612	-7.7605	-7.7445	-7.7396	-7.7318	-7.6830
-7.6781	-7.6585	-7.6577	-7.5914	-7.5904	-7.4278	-7.1385	-7.1384
-7.0282	-6.8924	-6.8914	-6.7385	-6.7089	-6.7056	-6.5603	-6.5546
-6.2979	-6.2626	-6.2617	-6.0296	-5.9808	-5.9742	-5.8592	-5.8580

-5.8153	-5.6656	-5.6214	-5.6204	-5.3507	-5.2265	-5.0526	-4.9117
-4.8689	-4.8486	-4.8106	-4.4559	-4.1506	-4.1500	-4.1072	-4.1065
-4.0533	-4.0525	-3.9808	-3.9802	-3.1798	-3.1792	-2.5271	-2.5211
-0.0997	-0.0820	0.8934	0.8954	1.3123	1.3176	1.6912	2.0786
2.1393	2.2269	2.3596	2.3602	2.4664	2.5964	2.5970	2.6708
2.9156	2.9247	2.9756	2.9763	2.9850	2.9865	3.0262	3.3635
3.4172	3.4748						

k = 0.0000-0.4666 0.0000 ( 64828 PWs)      bands (ev):

-21.3288	-21.2547	-21.0300	-21.0022	-20.4829	-20.4820	-20.4036	-20.4033
-19.5101	-19.5090	-19.1647	-19.1633	-19.0830	-19.0827	-19.0815	-18.5851
-18.5832	-18.5522	-18.5504	-18.0334	-18.0325	-17.9879	-17.9870	-17.6897
-17.3899	-17.3886	-16.7961	-16.7944	-16.5231	-16.5204	-15.1645	-15.1590
-14.0898	-14.0866	-13.9248	-13.9198	-13.3418	-13.3375	-12.9671	-12.0225
-12.0219	-11.7961	-11.7954	-11.6811	-11.6513	-11.6508	-11.5277	-11.5246
-11.4064	-10.8049	-10.7981	-10.4685	-10.2331	-10.2237	-9.9141	-9.9136
-9.6925	-9.6922	-9.4194	-9.4111	-9.3505	-9.3500	-9.2686	-8.9064
-8.7338	-8.7284	-8.7125	-8.7034	-8.6557	-8.3090	-8.2728	-8.2722
-8.1494	-8.1476	-7.7771	-7.7765	-7.7708	-7.7631	-7.7358	-7.6711
-7.6664	-7.6321	-7.6312	-7.5937	-7.5928	-7.4402	-7.1303	-7.1302
-7.0204	-6.9163	-6.9154	-6.7499	-6.6885	-6.6852	-6.5645	-6.5590
-6.2595	-6.2428	-6.2420	-6.0064	-5.9998	-5.9975	-5.8617	-5.8604
-5.7800	-5.6442	-5.6433	-5.6378	-5.3316	-5.2566	-5.0844	-4.8960
-4.8951	-4.8745	-4.8268	-4.4693	-4.1473	-4.1467	-4.1037	-4.1030
-4.0564	-4.0555	-3.9852	-3.9847	-3.1722	-3.1716	-2.5085	-2.5025
-0.1192	-0.1015	0.9067	0.9088	1.2986	1.3037	1.7031	2.1041
2.1418	2.2388	2.3519	2.3524	2.4785	2.6082	2.6089	2.6531
2.8990	2.9346	2.9631	2.9637	2.9820	2.9840	3.0382	3.3461
3.4502	3.4571						

k = 0.0000-0.4745 0.0000 ( 64824 PWs)      bands (ev):

-21.3201	-21.2473	-21.0426	-21.0128	-20.4845	-20.4836	-20.4055	-20.4052
-19.4958	-19.4948	-19.1458	-19.1444	-19.0989	-19.0979	-19.0632	-18.6076
-18.6057	-18.5700	-18.5214	-18.0318	-18.0309	-17.9895	-17.9886	-17.7220
-17.3854	-17.3841	-16.7880	-16.7863	-16.5345	-16.5318	-15.1354	-15.1299
-14.0643	-14.0611	-13.9550	-13.9501	-13.3694	-13.3652	-12.9222	-12.0108
-12.0102	-11.8012	-11.8004	-11.7279	-11.6657	-11.6652	-11.5309	-11.5278
-11.3765	-10.7852	-10.7784	-10.5050	-10.2544	-10.2451	-9.8944	-9.8939
-9.6959	-9.6956	-9.3920	-9.3837	-9.3710	-9.3706	-9.2581	-8.9217
-8.7354	-8.7266	-8.6975	-8.6912	-8.6455	-8.3236	-8.2542	-8.2536
-8.1518	-8.1500	-7.8023	-7.7946	-7.7932	-7.7926	-7.7271	-7.6598
-7.6554	-7.6057	-7.6049	-7.5959	-7.5950	-7.4524	-7.1226	-7.1225
-7.0124	-6.9405	-6.9395	-6.7612	-6.6686	-6.6653	-6.5677	-6.5625
-6.2229	-6.2221	-6.2219	-6.0318	-6.0239	-5.9663	-5.8640	-5.8628
-5.7449	-5.6669	-5.6660	-5.6100	-5.3125	-5.2870	-5.1164	-4.9234
-4.9005	-4.8786	-4.8431	-4.4828	-4.1439	-4.1434	-4.1000	-4.0994
-4.0594	-4.0585	-3.9897	-3.9892	-3.1651	-3.1645	-2.4908	-2.4849
-0.1377	-0.1200	0.9202	0.9223	1.2847	1.2897	1.7152	2.0949
2.1794	2.2508	2.3446	2.3452	2.4907	2.6201	2.6208	2.6357
2.8814	2.9455	2.9504	2.9510	2.9793	2.9821	3.0503	3.3289
3.4385	3.4419						

k = 0.0000-0.4824 0.0000 ( 64832 PWs)      bands (ev):

-21.3113	-21.2398	-21.0551	-21.0233	-20.4860	-20.4850	-20.4073	-20.4070
-19.4815	-19.4805	-19.1268	-19.1254	-19.1150	-19.1140	-19.0437	-18.6300
-18.6281	-18.5880	-18.4922	-18.0303	-18.0294	-17.9911	-17.9902	-17.7543
-17.3812	-17.3799	-16.7798	-16.7780	-16.5457	-16.5430	-15.1070	-15.1015
-14.0388	-14.0354	-13.9843	-13.9796	-13.3970	-13.3928	-12.8772	-11.9990
-11.9984	-11.8058	-11.8051	-11.7746	-11.6801	-11.6795	-11.5339	-11.5308

-11.3463	-10.7655	-10.7586	-10.5414	-10.2755	-10.2664	-9.8746	-9.8742
-9.6990	-9.6987	-9.3916	-9.3911	-9.3648	-9.3565	-9.2474	-8.9368
-8.7580	-8.7492	-8.6615	-8.6553	-8.6352	-8.3380	-8.2356	-8.2350
-8.1541	-8.1523	-7.8339	-7.8263	-7.8095	-7.8088	-7.7183	-7.6492
-7.6450	-7.5980	-7.5970	-7.5793	-7.5785	-7.4646	-7.1154	-7.1153
-7.0043	-6.9648	-6.9638	-6.7723	-6.6500	-6.6465	-6.5692	-6.5644
-6.2029	-6.2021	-6.1861	-6.0571	-6.0467	-5.9347	-5.8662	-5.8650
-5.7100	-5.6895	-5.6886	-5.5822	-5.3176	-5.2934	-5.1483	-4.9512
-4.9267	-4.8621	-4.8596	-4.4965	-4.1406	-4.1400	-4.0963	-4.0957
-4.0625	-4.0616	-3.9942	-3.9937	-3.1586	-3.1579	-2.4742	-2.4683
-0.1550	-0.1373	0.9337	0.9359	1.2708	1.2757	1.7274	2.0794
2.2238	2.2631	2.3379	2.3385	2.5032	2.6184	2.6322	2.6328
2.8639	2.9375	2.9382	2.9559	2.9769	2.9814	3.0627	3.3119
3.3924	3.4218						

k = 0.0000-0.4904 0.0000 ( 64840 PWs) bands (ev):

-21.3023	-21.2321	-21.0674	-21.0337	-20.4873	-20.4864	-20.4090	-20.4087
-19.4671	-19.4660	-19.1311	-19.1300	-19.1076	-19.1062	-19.0241	-18.6522
-18.6504	-18.6061	-18.4628	-18.0287	-18.0278	-17.9928	-17.9919	-17.7864
-17.3774	-17.3761	-16.7715	-16.7697	-16.5568	-16.5542	-15.0796	-15.0739
-14.0141	-14.0120	-14.0105	-14.0069	-13.4246	-13.4204	-12.8321	-11.9870
-11.9865	-11.8213	-11.8102	-11.8095	-11.6944	-11.6939	-11.5366	-11.5336
-11.3158	-10.7458	-10.7388	-10.5775	-10.2966	-10.2877	-9.8549	-9.8544
-9.7019	-9.7016	-9.4120	-9.4116	-9.3377	-9.3293	-9.2365	-8.9518
-8.7810	-8.7721	-8.6256	-8.6247	-8.6194	-8.3523	-8.2170	-8.2164
-8.1562	-8.1544	-7.8657	-7.8582	-7.8259	-7.8253	-7.7093	-7.6392
-7.6354	-7.5998	-7.5989	-7.5530	-7.5521	-7.4766	-7.1087	-7.1086
-6.9960	-6.9891	-6.9883	-6.7834	-6.6338	-6.6302	-6.5680	-6.5635
-6.1828	-6.1819	-6.1549	-6.0824	-6.0652	-5.9032	-5.8683	-5.8671
-5.7121	-5.7112	-5.6753	-5.5544	-5.3485	-5.2744	-5.1803	-4.9794
-4.9530	-4.8763	-4.8457	-4.5103	-4.1373	-4.1367	-4.0926	-4.0920
-4.0656	-4.0646	-3.9987	-3.9982	-3.1525	-3.1519	-2.4587	-2.4528
-0.1712	-0.1535	0.9473	0.9496	1.2568	1.2616	1.7399	2.0631
2.2692	2.2759	2.3317	2.3324	2.5159	2.6013	2.6443	2.6449
2.8466	2.9247	2.9253	2.9637	2.9746	2.9836	3.0753	3.2950
3.3423	3.4045						

k = 0.0000-0.4983 0.0000 ( 64826 PWs) bands (ev):

-21.2931	-21.2244	-21.0796	-21.0439	-20.4886	-20.4876	-20.4105	-20.4102
-19.4526	-19.4516	-19.1471	-19.1460	-19.0884	-19.0869	-19.0046	-18.6743
-18.6725	-18.6243	-18.4334	-18.0272	-18.0262	-17.9944	-17.9935	-17.8184
-17.3738	-17.3726	-16.7631	-16.7612	-16.5679	-16.5653	-15.0531	-15.0474
-14.0400	-14.0358	-13.9871	-13.9837	-13.4521	-13.4479	-12.7870	-11.9750
-11.9744	-11.8680	-11.8141	-11.8134	-11.7087	-11.7081	-11.5391	-11.5361
-11.2850	-10.7260	-10.7189	-10.6135	-10.3177	-10.3088	-9.8351	-9.8346
-9.7045	-9.7042	-9.4325	-9.4321	-9.3106	-9.3023	-9.2254	-8.9666
-8.8041	-8.7953	-8.6141	-8.5898	-8.5835	-8.3664	-8.1984	-8.1978
-8.1582	-8.1564	-7.8977	-7.8903	-7.8425	-7.8418	-7.7002	-7.6300
-7.6265	-7.6016	-7.6006	-7.5266	-7.5258	-7.4885	-7.1026	-7.1025
-7.0137	-7.0128	-6.9876	-6.7943	-6.6220	-6.6182	-6.5618	-6.5578
-6.1625	-6.1617	-6.1388	-6.1075	-6.0686	-5.8717	-5.8703	-5.8690
-5.7346	-5.7336	-5.6408	-5.5266	-5.3796	-5.2554	-5.2124	-5.0078
-4.9795	-4.8931	-4.8294	-4.5243	-4.1339	-4.1334	-4.0887	-4.0883
-4.0687	-4.0676	-4.0032	-4.0027	-3.1469	-3.1463	-2.4444	-2.4385
-0.1862	-0.1685	0.9610	0.9634	1.2428	1.2474	1.7525	2.0467
2.2882	2.3151	2.3261	2.3276	2.5288	2.5845	2.6565	2.6571
2.8294	2.9118	2.9124	2.9670	2.9726	2.9907	3.0881	3.2783
3.2922	3.3874						

k = 0.0000-0.5062 0.0000 ( 64826 PWs) bands (ev):

-21.2838	-21.2165	-21.0917	-21.0541	-20.4897	-20.4887	-20.4119	-20.4116
-19.4380	-19.4370	-19.1630	-19.1619	-19.0689	-19.0674	-18.9851	-18.6963
-18.6945	-18.6426	-18.4038	-18.0256	-18.0246	-17.9960	-17.9951	-17.8503
-17.3707	-17.3694	-16.7545	-16.7526	-16.5788	-16.5762	-15.0278	-15.0221
-14.0660	-14.0619	-13.9612	-13.9577	-13.4795	-13.4754	-12.7417	-11.9627
-11.9622	-11.9145	-11.8177	-11.8170	-11.7229	-11.7223	-11.5413	-11.5383
-11.2539	-10.7061	-10.6990	-10.6492	-10.3387	-10.3299	-9.8153	-9.8148
-9.7069	-9.7066	-9.4529	-9.4525	-9.2838	-9.2753	-9.2142	-8.9812
-8.8276	-8.8187	-8.6032	-8.5541	-8.5479	-8.3803	-8.1799	-8.1793
-8.1600	-8.1583	-7.9299	-7.9225	-7.8592	-7.8586	-7.6910	-7.6216
-7.6183	-7.6031	-7.6022	-7.5004	-7.5002	-7.4995	-7.0971	-7.0970
-7.0385	-7.0375	-6.9791	-6.8051	-6.6157	-6.6118	-6.5497	-6.5460
-6.1472	-6.1421	-6.1413	-6.1325	-6.0477	-5.8721	-5.8708	-5.8405
-5.7569	-5.7560	-5.6066	-5.4989	-5.4108	-5.2444	-5.2364	-5.0367
-5.0061	-4.9100	-4.8132	-4.5384	-4.1306	-4.1300	-4.0849	-4.0846
-4.0718	-4.0706	-4.0077	-4.0072	-3.1419	-3.1413	-2.4312	-2.4253
-0.1999	-0.1822	0.9747	0.9772	1.2287	1.2332	1.7653	2.0304
2.3011	2.3209	2.3211	2.3630	2.5419	2.5679	2.6688	2.6694
2.8125	2.8989	2.8995	2.9673	2.9708	3.0013	3.1011	3.2418
3.2621	3.3705						

k = 0.0000-0.5141 0.0000 ( 64828 PWs) bands (ev):

-21.2744	-21.2085	-21.1036	-21.0641	-20.4907	-20.4897	-20.4131	-20.4129
-19.4233	-19.4223	-19.1789	-19.1778	-19.0494	-19.0479	-18.9656	-18.7181
-18.7163	-18.6610	-18.3741	-18.0240	-18.0230	-17.9977	-17.9968	-17.8821
-17.3678	-17.3665	-16.7458	-16.7439	-16.5895	-16.5870	-15.0040	-14.9983
-14.0905	-14.0866	-13.9352	-13.9317	-13.5069	-13.5028	-12.6964	-11.9611
-11.9504	-11.9498	-11.8210	-11.8202	-11.7370	-11.7364	-11.5433	-11.5403
-11.2225	-10.6862	-10.6848	-10.6790	-10.3596	-10.3510	-9.7954	-9.7949
-9.7090	-9.7087	-9.4733	-9.4729	-9.2570	-9.2486	-9.2027	-8.9956
-8.8512	-8.8424	-8.5923	-8.5187	-8.5123	-8.3941	-8.1618	-8.1614
-8.1608	-8.1601	-7.9621	-7.9548	-7.8761	-7.8755	-7.6816	-7.6140
-7.6110	-7.6045	-7.6035	-7.5118	-7.4741	-7.4733	-7.0921	-7.0920
-7.0633	-7.0624	-6.9705	-6.8158	-6.6136	-6.6097	-6.5329	-6.5294
-6.1667	-6.1575	-6.1217	-6.1208	-6.0158	-5.8737	-5.8724	-5.8095
-5.7792	-5.7783	-5.5726	-5.4717	-5.4415	-5.2764	-5.2175	-5.0658
-5.0328	-4.9271	-4.7971	-4.5527	-4.1273	-4.1267	-4.0813	-4.0809
-4.0749	-4.0732	-4.0122	-4.0117	-3.1374	-3.1368	-2.4193	-2.4134
-0.2123	-0.1946	0.9886	0.9911	1.2146	1.2190	1.7784	2.0142
2.3142	2.3163	2.3167	2.4097	2.5516	2.5552	2.6811	2.6818
2.7957	2.8859	2.8866	2.9666	2.9692	3.0132	3.1143	3.1918
3.2458	3.3539						

k = 0.0000-0.5220 0.0000 ( 64840 PWs) bands (ev):

-21.2648	-21.2004	-21.1153	-21.0740	-20.4916	-20.4906	-20.4142	-20.4139
-19.4086	-19.4076	-19.1947	-19.1936	-19.0297	-19.0282	-18.9462	-18.7398
-18.7381	-18.6795	-18.3443	-18.0224	-18.0214	-17.9993	-17.9984	-17.9137
-17.3653	-17.3640	-16.7370	-16.7350	-16.6002	-16.5977	-14.9818	-14.9761
-14.1132	-14.1096	-13.9091	-13.9055	-13.5343	-13.5302	-12.6510	-12.0075
-11.9379	-11.9373	-11.8238	-11.8231	-11.7510	-11.7505	-11.5451	-11.5421
-11.1908	-10.7201	-10.6662	-10.6590	-10.3805	-10.3720	-9.7755	-9.7750
-9.7109	-9.7106	-9.4937	-9.4933	-9.2304	-9.2219	-9.1911	-9.0099
-8.8751	-8.8663	-8.5811	-8.4833	-8.4769	-8.4077	-8.1636	-8.1620
-8.1430	-8.1423	-7.9943	-7.9872	-7.8931	-7.8924	-7.6722	-7.6071
-7.6057	-7.6048	-7.6044	-7.5233	-7.4479	-7.4471	-7.0891	-7.0876
-7.0874	-7.0865	-6.9618	-6.8263	-6.6136	-6.6100	-6.5134	-6.5101
-6.1893	-6.1823	-6.1011	-6.1002	-5.9811	-5.8752	-5.8739	-5.8014
-5.8005	-5.7791	-5.5389	-5.4741	-5.4423	-5.3084	-5.1987	-5.0953
-5.0595	-4.9444	-4.7810	-4.5671	-4.1239	-4.1234	-4.0797	-4.0783



-4.0767	-4.0740	-4.0167	-4.0162	-3.1334	-3.1328	-2.4087	-2.4028
-0.2234	-0.2057	1.0025	1.0051	1.2005	1.2047	1.7916	1.9981
2.3122	2.3126	2.3275	2.4565	2.5358	2.5686	2.6936	2.6942
2.7792	2.8730	2.8736	2.9656	2.9677	3.0258	3.1273	3.1423
3.2298	3.3374						

k = 0.0000-0.5299 0.0000 ( 64858 PWs)      bands (ev):

-21.2551	-21.1921	-21.1269	-21.0838	-20.4923	-20.4914	-20.4152	-20.4149
-19.3938	-19.3928	-19.2104	-19.2093	-19.0099	-19.0083	-18.9268	-18.7614
-18.7597	-18.6981	-18.3143	-18.0208	-18.0198	-18.0009	-18.0000	-17.9452
-17.3631	-17.3618	-16.7280	-16.7260	-16.6108	-16.6083	-14.9616	-14.9558
-14.1338	-14.1305	-13.8829	-13.8793	-13.5615	-13.5575	-12.6055	-12.0539
-11.9253	-11.9247	-11.8263	-11.8256	-11.7650	-11.7645	-11.5466	-11.5437
-11.1588	-10.7553	-10.6462	-10.6389	-10.4013	-10.3929	-9.7556	-9.7551
-9.7125	-9.7122	-9.5140	-9.5136	-9.2040	-9.1955	-9.1792	-9.0239
-8.8992	-8.8904	-8.5698	-8.4482	-8.4418	-8.4211	-8.1654	-8.1639
-8.1246	-8.1240	-8.0264	-8.0194	-7.9102	-7.9096	-7.6626	-7.6068
-7.6058	-7.6011	-7.5988	-7.5346	-7.4218	-7.4209	-7.1134	-7.1124
-7.0837	-7.0836	-6.9529	-6.8368	-6.6145	-6.6111	-6.4925	-6.4892
-6.2128	-6.2070	-6.0804	-6.0795	-5.9456	-5.8765	-5.8752	-5.8234
-5.8225	-5.7496	-5.5054	-5.5040	-5.4151	-5.3403	-5.1799	-5.1250
-5.0865	-4.9617	-4.7651	-4.5816	-4.1206	-4.1201	-4.0815	-4.0814
-4.0729	-4.0714	-4.0211	-4.0206	-3.1299	-3.1293	-2.3993	-2.3935
-0.2331	-0.2154	1.0164	1.0192	1.1863	1.1904	1.8050	1.9822
2.3087	2.3091	2.3410	2.5006	2.5231	2.5823	2.7061	2.7068
2.7628	2.8600	2.8607	2.9647	2.9665	3.0387	3.0917	3.1416
3.2140	3.3211						

k = 0.0000-0.5378 0.0000 ( 64866 PWs)      bands (ev):

-21.2452	-21.1837	-21.1384	-21.0935	-20.4930	-20.4920	-20.4160	-20.4157
-19.3789	-19.3779	-19.2261	-19.2250	-18.9899	-18.9883	-18.9074	-18.7828
-18.7811	-18.7168	-18.2842	-18.0192	-18.0182	-18.0026	-18.0017	-17.9767
-17.3612	-17.3600	-16.7189	-16.7169	-16.6212	-16.6188	-14.9436	-14.9379
-14.1521	-14.1491	-13.8566	-13.8529	-13.5887	-13.5847	-12.5600	-12.1003
-11.9125	-11.9119	-11.8284	-11.8277	-11.7789	-11.7783	-11.5479	-11.5450
-11.1266	-10.7902	-10.6261	-10.6188	-10.4220	-10.4137	-9.7357	-9.7352
-9.7139	-9.7136	-9.5343	-9.5339	-9.1777	-9.1696	-9.1667	-9.0378
-8.9235	-8.9148	-8.5583	-8.4344	-8.4133	-8.4068	-8.1676	-8.1662
-8.1062	-8.1056	-8.0580	-8.0513	-7.9275	-7.9269	-7.6529	-7.6077
-7.6067	-7.5960	-7.5940	-7.5457	-7.3956	-7.3948	-7.1385	-7.1376
-7.0804	-7.0804	-6.9439	-6.8471	-6.6158	-6.6126	-6.4707	-6.4674
-6.2366	-6.2316	-6.0596	-6.0587	-5.9100	-5.8776	-5.8763	-5.8454
-5.8444	-5.7222	-5.5325	-5.4722	-5.3875	-5.3721	-5.1613	-5.1551
-5.1135	-4.9792	-4.7492	-4.5962	-4.1173	-4.1168	-4.0845	-4.0843
-4.0688	-4.0677	-4.0255	-4.0250	-3.1270	-3.1263	-2.3914	-2.3856
-0.2414	-0.2237	1.0304	1.0333	1.1721	1.1761	1.8186	1.9665
2.3057	2.3061	2.3546	2.5012	2.5543	2.5963	2.7187	2.7194
2.7467	2.8471	2.8477	2.9638	2.9654	3.0419	3.0520	3.1553
3.1985	3.3050						

k = 0.0000-0.5457 0.0000 ( 64846 PWs)      bands (ev):

-21.2352	-21.1753	-21.1497	-21.1030	-20.4935	-20.4925	-20.4166	-20.4163
-19.3640	-19.3629	-19.2417	-19.2406	-18.9698	-18.9682	-18.8881	-18.8041
-18.8024	-18.7355	-18.2540	-18.0176	-18.0166	-18.0080	-18.0042	-18.0033
-17.3597	-17.3584	-16.7097	-16.7077	-16.6315	-16.6291	-14.9283	-14.9225
-14.1677	-14.1650	-13.8302	-13.8265	-13.6159	-13.6119	-12.5143	-12.1465
-11.8996	-11.8991	-11.8301	-11.8294	-11.7927	-11.7921	-11.5490	-11.5460
-11.0941	-10.8249	-10.6060	-10.5985	-10.4427	-10.4345	-9.7161	-9.7154
-9.7147	-9.7144	-9.5546	-9.5542	-9.1558	-9.1510	-9.1427	-9.0516

-8.9480	-8.9393	-8.5467	-8.4476	-8.3786	-8.3721	-8.1708	-8.1697
-8.0884	-8.0880	-8.0874	-8.0821	-7.9449	-7.9443	-7.6432	-7.6084
-7.6074	-7.5917	-7.5901	-7.5566	-7.3696	-7.3687	-7.1638	-7.1629
-7.0777	-7.0777	-6.9348	-6.8574	-6.6170	-6.6141	-6.4484	-6.4450
-6.2606	-6.2560	-6.0386	-6.0378	-5.8785	-5.8772	-5.8756	-5.8673
-5.8654	-5.6991	-5.5571	-5.4393	-5.4038	-5.3598	-5.1855	-5.1427
-5.1405	-4.9969	-4.7334	-4.6110	-4.1140	-4.1135	-4.0877	-4.0874
-4.0648	-4.0637	-4.0299	-4.0294	-3.1245	-3.1239	-2.3848	-2.3790
-0.2482	-0.2305	1.0445	1.0475	1.1579	1.1618	1.8323	1.9511
2.3032	2.3037	2.3685	2.4863	2.6014	2.6104	2.7307	2.7314
2.7320	2.8341	2.8348	2.9630	2.9645	2.9924	3.0654	3.1691
3.1833	3.2892						

k = 0.0000-0.5536 0.0000 ( 64840 PWs) bands (ev):

-21.2251	-21.1667	-21.1609	-21.1125	-20.4939	-20.4930	-20.4171	-20.4169
-19.3489	-19.3479	-19.2572	-19.2561	-18.9496	-18.9480	-18.8689	-18.8253
-18.8236	-18.7544	-18.2237	-18.0391	-18.0160	-18.0150	-18.0058	-18.0049
-17.3585	-17.3573	-16.7004	-16.6983	-16.6417	-16.6393	-14.9159	-14.9101
-14.1802	-14.1779	-13.8037	-13.8000	-13.6429	-13.6390	-12.4686	-12.1927
-11.8867	-11.8861	-11.8314	-11.8307	-11.8064	-11.8059	-11.5498	-11.5468
-11.0613	-10.8594	-10.5858	-10.5783	-10.4633	-10.4552	-9.7159	-9.7156
-9.6956	-9.6952	-9.5749	-9.5744	-9.1432	-9.1253	-9.1168	-9.0651
-8.9727	-8.9640	-8.5349	-8.4605	-8.3443	-8.3378	-8.1769	-8.1757
-8.1154	-8.1103	-8.0698	-8.0692	-7.9624	-7.9618	-7.6334	-7.6089
-7.6080	-7.5884	-7.5871	-7.5672	-7.3435	-7.3427	-7.1892	-7.1883
-7.0756	-7.0755	-6.9255	-6.8675	-6.6181	-6.6154	-6.4257	-6.4223
-6.2846	-6.2803	-6.0176	-6.0168	-5.8891	-5.8884	-5.8792	-5.8779
-5.8393	-5.6865	-5.5715	-5.4351	-5.4066	-5.3323	-5.2163	-5.1677
-5.1242	-5.0146	-4.7178	-4.6259	-4.1107	-4.1102	-4.0909	-4.0905
-4.0607	-4.0596	-4.0342	-4.0338	-3.1227	-3.1221	-2.3797	-2.3739
-0.2535	-0.2358	1.0586	1.0617	1.1437	1.1474	1.8461	1.9359
2.3013	2.3018	2.3826	2.4711	2.6246	2.6494	2.7150	2.7441
2.7447	2.8212	2.8218	2.9430	2.9624	2.9639	3.0790	3.1676
3.1840	3.2735						

k = 0.0000-0.5615 0.0000 ( 64846 PWs) bands (ev):

-21.2148	-21.1719	-21.1579	-21.1218	-20.4942	-20.4933	-20.4175	-20.4172
-19.3338	-19.3328	-19.2727	-19.2716	-18.9292	-18.9276	-18.8496	-18.8464
-18.8447	-18.7733	-18.1932	-18.0702	-18.0144	-18.0134	-18.0074	-18.0065
-17.3577	-17.3564	-16.6910	-16.6889	-16.6517	-16.6494	-14.9067	-14.9010
-14.1894	-14.1873	-13.7771	-13.7734	-13.6699	-13.6660	-12.4228	-12.2388
-11.8736	-11.8730	-11.8324	-11.8317	-11.8200	-11.8195	-11.5504	-11.5474
-11.0283	-10.8937	-10.5655	-10.5579	-10.4839	-10.4759	-9.7165	-9.7162
-9.6756	-9.6751	-9.5951	-9.5946	-9.1307	-9.0995	-9.0909	-9.0784
-8.9976	-8.9890	-8.5229	-8.4733	-8.3106	-8.3041	-8.1907	-8.1876
-8.1347	-8.1319	-8.0517	-8.0511	-7.9801	-7.9794	-7.6237	-7.6093
-7.6084	-7.5861	-7.5851	-7.5771	-7.3176	-7.3168	-7.2147	-7.2138
-7.0741	-7.0740	-6.9162	-6.8774	-6.6189	-6.6163	-6.4027	-6.3992
-6.3084	-6.3044	-5.9964	-5.9956	-5.9108	-5.9100	-5.8797	-5.8784
-5.8051	-5.6916	-5.5685	-5.4660	-5.3741	-5.3047	-5.2472	-5.1950
-5.1059	-5.0323	-4.7022	-4.6409	-4.1075	-4.1070	-4.0941	-4.0937
-4.0566	-4.0556	-4.0385	-4.0381	-3.1213	-3.1207	-2.3761	-2.3703
-0.2573	-0.2396	1.0727	1.0759	1.1295	1.1331	1.8600	1.9211
2.2999	2.3004	2.3969	2.4559	2.6392	2.6967	2.7004	2.7568
2.7574	2.8082	2.8089	2.8938	2.9620	2.9634	3.0927	3.1531
3.1982	3.2581						

k = 0.0000-0.5694 0.0000 ( 64862 PWs) bands (ev):

-21.2044	-21.1827	-21.1491	-21.1310	-20.4944	-20.4934	-20.4177	-20.4174
----------	----------	----------	----------	----------	----------	----------	----------

-19.3186	-19.3176	-19.2881	-19.2870	-18.9087	-18.9071	-18.8673	-18.8656
-18.8305	-18.7923	-18.1627	-18.1011	-18.0129	-18.0119	-18.0089	-18.0081
-17.3572	-17.3559	-16.6815	-16.6794	-16.6615	-16.6593	-14.9012	-14.8954
-14.1951	-14.1931	-13.7505	-13.7467	-13.6968	-13.6929	-12.3770	-12.2849
-11.8604	-11.8598	-11.8337	-11.8334	-11.8326	-11.8320	-11.5508	-11.5478
-10.9950	-10.9277	-10.5452	-10.5376	-10.5043	-10.4964	-9.7169	-9.7166
-9.6555	-9.6550	-9.6152	-9.6148	-9.1182	-9.0915	-9.0740	-9.0654
-9.0227	-9.0140	-8.5108	-8.4860	-8.2779	-8.2715	-8.2139	-8.2089
-8.1440	-8.1429	-8.0336	-8.0330	-7.9979	-7.9972	-7.6149	-7.6096
-7.6087	-7.5884	-7.5841	-7.5824	-7.2918	-7.2909	-7.2403	-7.2394
-7.0732	-7.0731	-6.9067	-6.8873	-6.6194	-6.6169	-6.3795	-6.3759
-6.3321	-6.3283	-5.9752	-5.9744	-5.9323	-5.9315	-5.8800	-5.8787
-5.7718	-5.7121	-5.5504	-5.4960	-5.3420	-5.2785	-5.2772	-5.2223
-5.0880	-5.0499	-4.6867	-4.6560	-4.1043	-4.1039	-4.0972	-4.0967
-4.0528	-4.0515	-4.0425	-4.0422	-3.1205	-3.1199	-2.3738	-2.3681
-0.2597	-0.2419	1.0869	1.0901	1.1153	1.1188	1.8734	1.9071
2.2991	2.2996	2.4113	2.4409	2.6538	2.6841	2.7460	2.7696
2.7702	2.7953	2.7960	2.8450	2.9618	2.9631	3.1059	3.1393
3.2127	3.2429						

k = 0.0000-0.5774 0.0000 ( 64894 PWs) bands (ev):

-21.1957	-21.1915	-21.1408	-21.1394	-20.4944	-20.4935	-20.4178	-20.4175
-19.3037	-19.3032	-19.3030	-19.3016	-18.8886	-18.8878	-18.8864	-18.8861
-18.8120	-18.8106	-18.1326	-18.1313	-18.0121	-18.0109	-18.0097	-18.0090
-17.3570	-17.3557	-16.6737	-16.6718	-16.6691	-16.6673	-14.8993	-14.8935
-14.1970	-14.1951	-13.7257	-13.7220	-13.7215	-13.7178	-12.3339	-12.3281
-11.8481	-11.8471	-11.8460	-11.8458	-11.8331	-11.8324	-11.5509	-11.5479
-10.9619	-10.9609	-10.5259	-10.5240	-10.5184	-10.5155	-9.7170	-9.7167
-9.6360	-9.6352	-9.6349	-9.6346	-9.1081	-9.1017	-9.0517	-9.0458
-9.0418	-9.0363	-8.4992	-8.4977	-8.2528	-8.2478	-8.2351	-8.2309
-8.1465	-8.1458	-8.0163	-8.0159	-8.0151	-8.0142	-7.6101	-7.6096
-7.6087	-7.5928	-7.5837	-7.5825	-7.2664	-7.2661	-7.2653	-7.2645
-7.0729	-7.0728	-6.8980	-6.8962	-6.6195	-6.6171	-6.3579	-6.3564
-6.3520	-6.3500	-5.9541	-5.9536	-5.9535	-5.9523	-5.8801	-5.8788
-5.7415	-5.7391	-5.5271	-5.5224	-5.3108	-5.3095	-5.2503	-5.2491
-5.0746	-5.0633	-4.6725	-4.6702	-4.1021	-4.1018	-4.0994	-4.0988
-4.0505	-4.0486	-4.0454	-4.0446	-3.1203	-3.1196	-2.3731	-2.3673
-0.2604	-0.2427	1.1008	1.1013	1.1037	1.1053	1.8820	1.8983
2.2988	2.2993	2.4250	2.4270	2.6669	2.6709	2.7817	2.7821
2.7827	2.7845	2.7875	2.8033	2.9617	2.9630	3.1143	3.1306
3.2257	3.2297						

k = 0.0079-0.5774 0.0000 ( 64850 PWs) bands (ev):

-21.1956	-21.1915	-21.1407	-21.1394	-20.5090	-20.4788	-20.4360	-20.3992
-19.3163	-19.3153	-19.2904	-19.2894	-18.9061	-18.9043	-18.8700	-18.8682
-18.8120	-18.8106	-18.1325	-18.1313	-18.0254	-18.0239	-17.9972	-17.9957
-17.3625	-17.3503	-16.7059	-16.7028	-16.6382	-16.6350	-14.9120	-14.8807
-14.2083	-14.1838	-13.7560	-13.7522	-13.6912	-13.6873	-12.3338	-12.3280
-11.8623	-11.8612	-11.8390	-11.8320	-11.8309	-11.8266	-11.5878	-11.5108
-10.9619	-10.9609	-10.5630	-10.5587	-10.4833	-10.4790	-9.7383	-9.6952
-9.6658	-9.6653	-9.6052	-9.6046	-9.1080	-9.1016	-9.0699	-9.0607
-9.0270	-9.0179	-8.4991	-8.4976	-8.2560	-8.2457	-8.2352	-8.2307
-8.1637	-8.1272	-8.0322	-8.0314	-7.9993	-7.9985	-7.6299	-7.6218
-7.6100	-7.5924	-7.5883	-7.5454	-7.2684	-7.2681	-7.2630	-7.2626
-7.1090	-7.0368	-6.8982	-6.8964	-6.6484	-6.5889	-6.3774	-6.3697
-6.3367	-6.3316	-5.9720	-5.9712	-5.9355	-5.9347	-5.9043	-5.8547
-5.7416	-5.7392	-5.5270	-5.5224	-5.3109	-5.3096	-5.2502	-5.2490
-5.0748	-5.0635	-4.6726	-4.6704	-4.1249	-4.1222	-4.0797	-4.0783
-4.0757	-4.0733	-4.0210	-4.0172	-3.1291	-3.1109	-2.3931	-2.3472
-0.2716	-0.2318	1.0695	1.0711	1.1347	1.1365	1.8821	1.8984

2.2967	2.3014	2.4251	2.4271	2.6670	2.6710	2.7610	2.7622
2.7874	2.8033	2.8038	2.8050	2.9372	2.9877	3.1144	3.1308
3.2258	3.2298						

k = 0.0159-0.5774 0.0000 ( 64838 PWs) bands (ev):

-21.1954	-21.1912	-21.1405	-21.1392	-20.5239	-20.4636	-20.4541	-20.3806
-19.3291	-19.3282	-19.2773	-19.2763	-18.9239	-18.9221	-18.8518	-18.8499
-18.8118	-18.8104	-18.1323	-18.1311	-18.0398	-18.0382	-17.9834	-17.9819
-17.3686	-17.3444	-16.7395	-16.7365	-16.6043	-16.6011	-14.9271	-14.8652
-14.2207	-14.1718	-13.7880	-13.7843	-13.6587	-13.6548	-12.3337	-12.3279
-11.8768	-11.8757	-11.8452	-11.8207	-11.8162	-11.8152	-11.6259	-11.4721
-10.9618	-10.9608	-10.6029	-10.5986	-10.4439	-10.4396	-9.7594	-9.6963
-9.6957	-9.6731	-9.5750	-9.5745	-9.1078	-9.1014	-9.0908	-9.0818
-9.0060	-8.9967	-8.4989	-8.4973	-8.2625	-8.2429	-8.2354	-8.2301
-8.1791	-8.1072	-8.0485	-8.0477	-7.9828	-7.9820	-7.6596	-7.6505
-7.6111	-7.5934	-7.5674	-7.5075	-7.2708	-7.2704	-7.2602	-7.2598
-7.1451	-7.0008	-6.8989	-6.8971	-6.6790	-6.5607	-6.3976	-6.3872
-6.3162	-6.3117	-5.9901	-5.9893	-5.9292	-5.9171	-5.9163	-5.8300
-5.7420	-5.7395	-5.5268	-5.5222	-5.3114	-5.3101	-5.2500	-5.2488
-5.0755	-5.0642	-4.6732	-4.6709	-4.1490	-4.1457	-4.1042	-4.1014
-4.0573	-4.0556	-3.9929	-3.9889	-3.1384	-3.1019	-2.4155	-2.3242
-0.2889	-0.2154	1.0376	1.0391	1.1679	1.1698	1.8824	1.8987
2.2943	2.3036	2.4254	2.4274	2.6673	2.6713	2.7402	2.7414
2.7873	2.8032	2.8258	2.8270	2.9122	3.0131	3.1148	3.1311
3.2261	3.2301						

k = 0.0238-0.5774 0.0000 ( 64844 PWs) bands (ev):

-21.1950	-21.1909	-21.1402	-21.1389	-20.5387	-20.4722	-20.4483	-20.3618
-19.3419	-19.3410	-19.2642	-19.2632	-18.9416	-18.9398	-18.8334	-18.8315
-18.8115	-18.8102	-18.1320	-18.1307	-18.0543	-18.0528	-17.9698	-17.9683
-17.3748	-17.3385	-16.7731	-16.7702	-16.5704	-16.5671	-14.9421	-14.8496
-14.2331	-14.1599	-13.8199	-13.8162	-13.6260	-13.6220	-12.3334	-12.3276
-11.8909	-11.8899	-11.8515	-11.8148	-11.8002	-11.7991	-11.6638	-11.4331
-10.9617	-10.9607	-10.6429	-10.6386	-10.4046	-10.4003	-9.7801	-9.7269
-9.7263	-9.6508	-9.5451	-9.5445	-9.1122	-9.1074	-9.1030	-9.1005
-8.9847	-8.9755	-8.4984	-8.4969	-8.2716	-8.2403	-8.2356	-8.2291
-8.1919	-8.0864	-8.0648	-8.0640	-7.9663	-7.9655	-7.6977	-7.6709
-7.6127	-7.5951	-7.5462	-7.4696	-7.2730	-7.2727	-7.2572	-7.2569
-7.1812	-6.9647	-6.9001	-6.8983	-6.7099	-6.5347	-6.4176	-6.4024
-6.2956	-6.2914	-6.0081	-6.0073	-5.9542	-5.8986	-5.8978	-5.8054
-5.7425	-5.7401	-5.5265	-5.5218	-5.3121	-5.3109	-5.2497	-5.2484
-5.0768	-5.0655	-4.6741	-4.6718	-4.1741	-4.1702	-4.1310	-4.1285
-4.0360	-4.0346	-3.9648	-3.9605	-3.1477	-3.0930	-2.4378	-2.3010
-0.3071	-0.1987	1.0060	1.0075	1.2014	1.2034	1.8830	1.8992
2.2919	2.3057	2.4259	2.4280	2.6678	2.6718	2.7199	2.7211
2.7871	2.8031	2.8482	2.8493	2.8876	3.0387	3.1153	3.1318
3.2266	3.2306						

k = 0.0317-0.5774 0.0000 ( 64824 PWs) bands (ev):

-21.1945	-21.1904	-21.1398	-21.1384	-20.5534	-20.4901	-20.4329	-20.3429
-19.3547	-19.3537	-19.2510	-19.2500	-18.9592	-18.9574	-18.8149	-18.8130
-18.8112	-18.8098	-18.1315	-18.1302	-18.0690	-18.0675	-17.9564	-17.9549
-17.3811	-17.3327	-16.8066	-16.8038	-16.5365	-16.5330	-14.9570	-14.8338
-14.2456	-14.1482	-13.8516	-13.8480	-13.5931	-13.5891	-12.3331	-12.3273
-11.9047	-11.9036	-11.8579	-11.8089	-11.7837	-11.7827	-11.7015	-11.3941
-10.9616	-10.9606	-10.6831	-10.6788	-10.3655	-10.3612	-9.8005	-9.7575
-9.7570	-9.6281	-9.5152	-9.5147	-9.1331	-9.1241	-9.1066	-9.1001
-8.9635	-8.9542	-8.4978	-8.4963	-8.2834	-8.2381	-8.2358	-8.2280
-8.2017	-8.0811	-8.0803	-8.0651	-7.9497	-7.9489	-7.7357	-7.6911

-7.6150	-7.5973	-7.5250	-7.4316	-7.2752	-7.2748	-7.2541	-7.2537
-7.2174	-6.9288	-6.9018	-6.9000	-6.7410	-6.5136	-6.4375	-6.4127
-6.2749	-6.2709	-6.0260	-6.0252	-5.9793	-5.8800	-5.8792	-5.7809
-5.7433	-5.7409	-5.5260	-5.5214	-5.3132	-5.3119	-5.2491	-5.2479
-5.0785	-5.0672	-4.6754	-4.6731	-4.2002	-4.1958	-4.1573	-4.1549
-4.0153	-4.0139	-3.9367	-3.9322	-3.1571	-3.0842	-2.4600	-2.2777
-0.3258	-0.1821	0.9749	0.9764	1.2353	1.2374	1.8837	1.8999
2.2893	2.3078	2.4267	2.4287	2.6685	2.6725	2.7000	2.7013
2.7869	2.8029	2.8620	2.8711	2.8730	3.0643	3.1161	3.1328
3.2274	3.2313						

k = 0.0397-0.5774 0.0000 ( 64814 PWs)      bands (ev):

-21.1939	-21.1897	-21.1392	-21.1379	-20.5680	-20.5078	-20.4174	-20.3239
-19.3673	-19.3664	-19.2377	-19.2368	-18.9766	-18.9748	-18.8107	-18.8093
-18.7962	-18.7943	-18.1308	-18.1296	-18.0839	-18.0824	-17.9432	-17.9417
-17.3874	-17.3269	-16.8401	-16.8373	-16.5025	-16.4989	-14.9719	-14.8179
-14.2581	-14.1366	-13.8831	-13.8796	-13.5601	-13.5561	-12.3327	-12.3269
-11.9181	-11.9170	-11.8644	-11.8032	-11.7669	-11.7658	-11.7389	-11.3549
-10.9614	-10.9604	-10.7235	-10.7191	-10.3266	-10.3223	-9.8205	-9.7883
-9.7877	-9.6052	-9.4855	-9.4850	-9.1541	-9.1451	-9.1058	-9.0993
-8.9422	-8.9329	-8.4971	-8.4955	-8.2976	-8.2362	-8.2355	-8.2267
-8.2087	-8.0973	-8.0964	-8.0433	-7.9331	-7.9322	-7.7737	-7.7113
-7.6179	-7.6003	-7.5035	-7.3937	-7.2772	-7.2769	-7.2539	-7.2507
-7.2501	-6.9040	-6.9022	-6.8927	-6.7723	-6.5026	-6.4574	-6.4128
-6.2541	-6.2501	-6.0438	-6.0430	-6.0044	-5.8613	-5.8605	-5.7565
-5.7444	-5.7419	-5.5254	-5.5208	-5.3146	-5.3133	-5.2485	-5.2473
-5.0807	-5.0694	-4.6770	-4.6747	-4.2274	-4.2225	-4.1830	-4.1806
-3.9950	-3.9937	-3.9087	-3.9040	-3.1666	-3.0755	-2.4819	-2.2541
-0.3449	-0.1657	0.9443	0.9456	1.2696	1.2718	1.8846	1.9008
2.2868	2.3097	2.4276	2.4296	2.6694	2.6734	2.6806	2.6818
2.7866	2.8026	2.8382	2.8943	2.8956	3.0895	3.1172	3.1345
3.2283	3.2322						

k = 0.0476-0.5774 0.0000 ( 64808 PWs)      bands (ev):

-21.1931	-21.1889	-21.1385	-21.1372	-20.5825	-20.5254	-20.4018	-20.3047
-19.3799	-19.3789	-19.2244	-19.2235	-18.9939	-18.9921	-18.8101	-18.8088
-18.7774	-18.7755	-18.1301	-18.1288	-18.0990	-18.0975	-17.9303	-17.9287
-17.3938	-17.3213	-16.8735	-16.8708	-16.4684	-16.4648	-14.9866	-14.8019
-14.2707	-14.1252	-13.9145	-13.9110	-13.5270	-13.5229	-12.3321	-12.3263
-11.9310	-11.9300	-11.8708	-11.7976	-11.7759	-11.7498	-11.7487	-11.3155
-10.9611	-10.9601	-10.7639	-10.7596	-10.2879	-10.2836	-9.8401	-9.8191
-9.8185	-9.5820	-9.4559	-9.4554	-9.1751	-9.1661	-9.1048	-9.0983
-8.9209	-8.9115	-8.4961	-8.4946	-8.3138	-8.2358	-8.2337	-8.2253
-8.2134	-8.1134	-8.1126	-8.0212	-7.9164	-7.9156	-7.8118	-7.7312
-7.6215	-7.6038	-7.4820	-7.3559	-7.2898	-7.2792	-7.2787	-7.2473
-7.2469	-6.9066	-6.9048	-6.8568	-6.8038	-6.5049	-6.4771	-6.3996
-6.2332	-6.2291	-6.0615	-6.0607	-6.0296	-5.8426	-5.8417	-5.7457
-5.7431	-5.7321	-5.5247	-5.5201	-5.3163	-5.3150	-5.2477	-5.2465
-5.0833	-5.0721	-4.6790	-4.6767	-4.2554	-4.2503	-4.2081	-4.2057
-3.9751	-3.9739	-3.8808	-3.8760	-3.1761	-3.0669	-2.5038	-2.2304
-0.3643	-0.1496	0.9141	0.9154	1.3042	1.3065	1.8857	1.9020
2.2841	2.3116	2.4287	2.4307	2.6616	2.6629	2.6706	2.6746
2.7863	2.8023	2.8141	2.9178	2.9191	3.1119	3.1199	3.1380
3.2294	3.2334						

k = 0.0556-0.5774 0.0000 ( 64828 PWs)      bands (ev):

-21.1921	-21.1879	-21.1377	-21.1364	-20.5969	-20.5429	-20.3860	-20.2854
-19.3924	-19.3915	-19.2111	-19.2101	-19.0110	-19.0092	-18.8094	-18.8081
-18.7585	-18.7566	-18.1292	-18.1279	-18.1142	-18.1127	-17.9175	-17.9160

-17.4002	-17.3157	-16.9068	-16.9042	-16.4343	-16.4306	-15.0012	-14.7857
-14.2834	-14.1140	-13.9457	-13.9422	-13.4937	-13.4895	-12.3315	-12.3257
-11.9436	-11.9425	-11.8774	-11.8127	-11.7920	-11.7322	-11.7311	-11.2761
-10.9608	-10.9598	-10.8045	-10.8001	-10.2495	-10.2452	-9.8594	-9.8500
-9.8494	-9.5586	-9.4265	-9.4261	-9.1960	-9.1870	-9.1037	-9.0972
-8.8995	-8.8901	-8.4950	-8.4935	-8.3313	-8.2355	-8.2319	-8.2239
-8.2165	-8.1295	-8.1286	-7.9988	-7.8997	-7.8989	-7.8498	-7.7511
-7.6257	-7.6081	-7.4603	-7.3260	-7.3180	-7.2810	-7.2805	-7.2437
-7.2433	-6.9097	-6.9079	-6.8354	-6.8210	-6.5160	-6.4966	-6.3776
-6.2121	-6.2080	-6.0791	-6.0782	-6.0548	-5.8237	-5.8229	-5.7472
-5.7446	-5.7079	-5.5238	-5.5193	-5.3183	-5.3170	-5.2467	-5.2455
-5.0865	-5.0752	-4.6813	-4.6791	-4.2842	-4.2789	-4.2328	-4.2304
-3.9556	-3.9544	-3.8531	-3.8482	-3.1857	-3.0584	-2.5254	-2.2065
-0.3841	-0.1338	0.8843	0.8856	1.3392	1.3416	1.8871	1.9033
2.2814	2.3134	2.4300	2.4320	2.6431	2.6443	2.6719	2.6759
2.7859	2.7901	2.8019	2.9417	2.9430	3.1184	3.1298	3.1508
3.2308	3.2347						

k = 0.0635-0.5774 0.0000 ( 64824 PWs) bands (ev):

-21.1910	-21.1868	-21.1368	-21.1354	-20.6111	-20.5602	-20.3702	-20.2660
-19.4049	-19.4039	-19.1977	-19.1967	-19.0280	-19.0262	-18.8087	-18.8073
-18.7394	-18.7375	-18.1296	-18.1281	-18.1281	-18.1269	-17.9050	-17.9035
-17.4067	-17.3102	-16.9401	-16.9375	-16.4002	-16.3964	-15.0156	-14.7694
-14.2960	-14.1031	-13.9766	-13.9733	-13.4603	-13.4561	-12.3308	-12.3250
-11.9558	-11.9547	-11.8840	-11.8491	-11.7866	-11.7144	-11.7133	-11.2365
-10.9605	-10.9595	-10.8451	-10.8408	-10.2112	-10.2069	-9.8811	-9.8804
-9.8779	-9.5349	-9.3973	-9.3969	-9.2169	-9.2080	-9.1024	-9.0958
-8.8782	-8.8687	-8.4937	-8.4922	-8.3496	-8.2350	-8.2300	-8.2224
-8.2182	-8.1455	-8.1447	-7.9760	-7.8879	-7.8830	-7.8821	-7.7707
-7.6306	-7.6129	-7.4384	-7.3622	-7.2827	-7.2822	-7.2802	-7.2398
-7.2395	-6.9133	-6.9115	-6.8672	-6.7852	-6.5311	-6.5161	-6.3516
-6.1910	-6.1867	-6.0966	-6.0957	-6.0801	-5.8048	-5.8040	-5.7489
-5.7463	-5.6837	-5.5227	-5.5183	-5.3206	-5.3193	-5.2457	-5.2444
-5.0901	-5.0789	-4.6840	-4.6818	-4.3136	-4.3082	-4.2571	-4.2548
-3.9365	-3.9353	-3.8257	-3.8207	-3.1954	-3.0501	-2.5468	-2.1824
-0.4042	-0.1182	0.8551	0.8563	1.3745	1.3770	1.8886	1.9048
2.2787	2.3152	2.4316	2.4336	2.6251	2.6263	2.6735	2.6774
2.7663	2.7854	2.8014	2.9660	2.9673	3.1203	3.1341	3.1744
3.2323	3.2363						

k = 0.0714-0.5774 0.0000 ( 64814 PWs) bands (ev):

-21.1897	-21.1856	-21.1357	-21.1344	-20.6253	-20.5774	-20.3543	-20.2464
-19.4172	-19.4163	-19.1842	-19.1832	-19.0448	-19.0431	-18.8078	-18.8064
-18.7202	-18.7183	-18.1452	-18.1437	-18.1269	-18.1257	-17.8927	-17.8912
-17.4132	-17.3049	-16.9732	-16.9707	-16.3661	-16.3622	-15.0300	-14.7530
-14.3087	-14.0925	-14.0074	-14.0041	-13.4267	-13.4224	-12.3300	-12.3242
-11.9675	-11.9664	-11.8906	-11.8851	-11.7814	-11.6961	-11.6950	-11.1969
-10.9601	-10.9591	-10.8859	-10.8815	-10.1732	-10.1690	-9.9120	-9.9114
-9.8965	-9.5110	-9.3683	-9.3679	-9.2378	-9.2289	-9.1008	-9.0943
-8.8568	-8.8473	-8.4923	-8.4908	-8.3683	-8.2343	-8.2283	-8.2211
-8.2186	-8.1615	-8.1607	-7.9530	-7.9259	-7.8662	-7.8653	-7.7903
-7.6361	-7.6184	-7.4165	-7.3983	-7.2843	-7.2838	-7.2425	-7.2358
-7.2355	-6.9174	-6.9156	-6.8991	-6.7494	-6.5478	-6.5354	-6.3240
-6.1697	-6.1653	-6.1139	-6.1131	-6.1054	-5.7858	-5.7850	-5.7509
-5.7481	-5.6596	-5.5215	-5.5172	-5.3232	-5.3219	-5.2444	-5.2432
-5.0942	-5.0830	-4.6870	-4.6848	-4.3434	-4.3380	-4.2813	-4.2791
-3.9177	-3.9166	-3.7985	-3.7934	-3.2050	-3.0419	-2.5681	-2.1582
-0.4245	-0.1029	0.8263	0.8275	1.4102	1.4128	1.8903	1.9066
2.2760	2.3168	2.4333	2.4353	2.6075	2.6087	2.6752	2.6790
2.7428	2.7849	2.8009	2.9907	2.9920	3.1221	3.1367	3.2004

3.2340 3.2380

k = 0.0794-0.5774 0.0000 ( 64784 PWs) bands (ev):

-21.1883	-21.1842	-21.1346	-21.1332	-20.6394	-20.5944	-20.3383	-20.2266
-19.4295	-19.4286	-19.1707	-19.1697	-19.0615	-19.0598	-18.8068	-18.8054
-18.7009	-18.6989	-18.1609	-18.1594	-18.1256	-18.1243	-17.8806	-17.8791
-17.4197	-17.2996	-17.0063	-17.0038	-16.3320	-16.3280	-15.0442	-14.7365
-14.3213	-14.0821	-14.0379	-14.0347	-13.3930	-13.3887	-12.3291	-12.3233
-11.9788	-11.9778	-11.9207	-11.8972	-11.7762	-11.6776	-11.6765	-11.1572
-10.9596	-10.9586	-10.9267	-10.9224	-10.1355	-10.1312	-9.9431	-9.9424
-9.9145	-9.4868	-9.3395	-9.3390	-9.2586	-9.2498	-9.0992	-9.0925
-8.8353	-8.8259	-8.4907	-8.4892	-8.3873	-8.2334	-8.2266	-8.2203
-8.2176	-8.1774	-8.1766	-7.9639	-7.9298	-7.8494	-7.8485	-7.8096
-7.6422	-7.6246	-7.4345	-7.3943	-7.2857	-7.2853	-7.2316	-7.2313
-7.2047	-6.9312	-6.9220	-6.9201	-6.7136	-6.5653	-6.5546	-6.2955
-6.1484	-6.1438	-6.1312	-6.1309	-6.1303	-5.7670	-5.7662	-5.7529
-5.7500	-5.6356	-5.5202	-5.5159	-5.3261	-5.3249	-5.2430	-5.2418
-5.0987	-5.0876	-4.6904	-4.6882	-4.3736	-4.3682	-4.3055	-4.3033
-3.8994	-3.8983	-3.7716	-3.7664	-3.2148	-3.0338	-2.5892	-2.1338
-0.4452	-0.0879	0.7981	0.7993	1.4461	1.4488	1.8923	1.9085
2.2732	2.3184	2.4352	2.4373	2.5904	2.5916	2.6771	2.6808
2.7197	2.7843	2.8003	3.0157	3.0170	3.1241	3.1389	3.2269
3.2360	3.2399						

k = 0.0873-0.5774 0.0000 ( 64796 PWs) bands (ev):

-21.1868	-21.1826	-21.1332	-21.1319	-20.6533	-20.6113	-20.3222	-20.2067
-19.4418	-19.4408	-19.1571	-19.1561	-19.0781	-19.0764	-18.8057	-18.8043
-18.6814	-18.6794	-18.1768	-18.1753	-18.1241	-18.1229	-17.8688	-17.8672
-17.4263	-17.2944	-17.0392	-17.0368	-16.2979	-16.2938	-15.0583	-14.7198
-14.3340	-14.0729	-14.0679	-14.0645	-13.3592	-13.3548	-12.3281	-12.3222
-11.9898	-11.9887	-11.9559	-11.9039	-11.7712	-11.6587	-11.6575	-11.1174
-10.9676	-10.9633	-10.9592	-10.9582	-10.0980	-10.0938	-9.9742	-9.9735
-9.9320	-9.4624	-9.3109	-9.3104	-9.2794	-9.2706	-9.0973	-9.0906
-8.8139	-8.8044	-8.4889	-8.4874	-8.4065	-8.2323	-8.2251	-8.2195
-8.2160	-8.1933	-8.1924	-8.0019	-7.9064	-7.8325	-7.8317	-7.8289
-7.6490	-7.6314	-7.4707	-7.3721	-7.2871	-7.2867	-7.2272	-7.2270
-7.1670	-6.9633	-6.9270	-6.9252	-6.6779	-6.5833	-6.5736	-6.2666
-6.1563	-6.1483	-6.1474	-6.1270	-6.1221	-5.7566	-5.7542	-5.7465
-5.7453	-5.6117	-5.5187	-5.5145	-5.3294	-5.3281	-5.2415	-5.2403
-5.1038	-5.0926	-4.6942	-4.6920	-4.4042	-4.3988	-4.3296	-4.3274
-3.8814	-3.8803	-3.7450	-3.7397	-3.2245	-3.0259	-2.6102	-2.1092
-0.4662	-0.0732	0.7704	0.7715	1.4824	1.4852	1.8944	1.9107
2.2704	2.3199	2.4374	2.4394	2.5738	2.5750	2.6790	2.6820
2.6976	2.7836	2.7997	3.0410	3.0423	3.1262	3.1412	3.2322
3.2392	3.2424						

k = 0.0952-0.5774 0.0000 ( 64810 PWs) bands (ev):

-21.1851	-21.1809	-21.1318	-21.1305	-20.6672	-20.6281	-20.3060	-20.1867
-19.4539	-19.4529	-19.1435	-19.1425	-19.0945	-19.0928	-18.8045	-18.8031
-18.6618	-18.6598	-18.1928	-18.1913	-18.1225	-18.1213	-17.8572	-17.8556
-17.4328	-17.2893	-17.0721	-17.0698	-16.2638	-16.2595	-15.0723	-14.7031
-14.3467	-14.0985	-14.0955	-14.0620	-13.3252	-13.3208	-12.3270	-12.3211
-12.0002	-11.9992	-11.9907	-11.9106	-11.7663	-11.6394	-11.6383	-11.0775
-11.0086	-11.0043	-10.9586	-10.9576	-10.0608	-10.0566	-10.0053	-10.0047
-9.9491	-9.4378	-9.3002	-9.2914	-9.2825	-9.2821	-9.0953	-9.0885
-8.7925	-8.7829	-8.4870	-8.4854	-8.4257	-8.2309	-8.2237	-8.2183
-8.2141	-8.2090	-8.2082	-8.0400	-7.8827	-7.8480	-7.8156	-7.8148
-7.6564	-7.6388	-7.5069	-7.3497	-7.2884	-7.2880	-7.2227	-7.2224
-7.1294	-6.9955	-6.9325	-6.9307	-6.6423	-6.6013	-6.5926	-6.2377

-6.1818	-6.1654	-6.1644	-6.1055	-6.1004	-5.7590	-5.7560	-5.7277
-5.7269	-5.5880	-5.5171	-5.5129	-5.3330	-5.3318	-5.2398	-5.2386
-5.1092	-5.0981	-4.6983	-4.6961	-4.4349	-4.4296	-4.3538	-4.3516
-3.8638	-3.8627	-3.7188	-3.7133	-3.2343	-3.0181	-2.6309	-2.0844
-0.4876	-0.0588	0.7432	0.7443	1.5190	1.5219	1.8968	1.9130
2.2675	2.3213	2.4397	2.4418	2.5576	2.5588	2.6706	2.6821
2.6876	2.7829	2.7989	3.0667	3.0680	3.1286	3.1437	3.2101
3.2408	3.2446						

k = 0.1032-0.5774 0.0000 ( 64796 PWs) bands (ev):

-21.1833	-21.1791	-21.1303	-21.1289	-20.6809	-20.6447	-20.2896	-20.1666
-19.4660	-19.4650	-19.1298	-19.1289	-19.1108	-19.1091	-18.8032	-18.8018
-18.6420	-18.6400	-18.2089	-18.2074	-18.1208	-18.1195	-17.8458	-17.8442
-17.4395	-17.2843	-17.1049	-17.1026	-16.2297	-16.2253	-15.0862	-14.6862
-14.3593	-14.1283	-14.1253	-14.0527	-13.2911	-13.2867	-12.3258	-12.3199
-12.0249	-12.0103	-12.0093	-11.9174	-11.7616	-11.6198	-11.6187	-11.0497
-11.0453	-11.0376	-10.9581	-10.9571	-10.0364	-10.0358	-10.0240	-10.0198
-9.9658	-9.4131	-9.3209	-9.3121	-9.2543	-9.2539	-9.0930	-9.0863
-8.7710	-8.7614	-8.4849	-8.4834	-8.4449	-8.2293	-8.2248	-8.2240
-8.2223	-8.2167	-8.2120	-8.0779	-7.8669	-7.8589	-7.7987	-7.7978
-7.6644	-7.6468	-7.5430	-7.3271	-7.2896	-7.2891	-7.2179	-7.2176
-7.0918	-7.0278	-6.9384	-6.9366	-6.6195	-6.6113	-6.6068	-6.2089
-6.2074	-6.1823	-6.1810	-6.0839	-6.0785	-5.7619	-5.7587	-5.7085
-5.7076	-5.5643	-5.5153	-5.5112	-5.3369	-5.3357	-5.2380	-5.2368
-5.1151	-5.1040	-4.7027	-4.7005	-4.4659	-4.4606	-4.3780	-4.3759
-3.8466	-3.8455	-3.6928	-3.6873	-3.2442	-3.0105	-2.6515	-2.0595
-0.5092	-0.0446	0.7165	0.7177	1.5558	1.5589	1.8993	1.9156
2.2647	2.3226	2.4423	2.4443	2.5420	2.5432	2.6490	2.6845
2.6892	2.7821	2.7982	3.0927	3.0940	3.1311	3.1462	3.1873
3.2433	3.2472						

k = 0.1111-0.5774 0.0000 ( 64852 PWs) bands (ev):

-21.1813	-21.1771	-21.1286	-21.1272	-20.6946	-20.6612	-20.2732	-20.1463
-19.4780	-19.4770	-19.1270	-19.1253	-19.1161	-19.1151	-18.8017	-18.8004
-18.6221	-18.6201	-18.2252	-18.2237	-18.1189	-18.1176	-17.8347	-17.8331
-17.4461	-17.2795	-17.1376	-17.1354	-16.1956	-16.1912	-15.0999	-14.6692
-14.3720	-14.1579	-14.1550	-14.0438	-13.2569	-13.2524	-12.3245	-12.3186
-12.0586	-12.0200	-12.0189	-11.9241	-11.7570	-11.5999	-11.5988	-11.0908
-11.0865	-10.9977	-10.9575	-10.9565	-10.0676	-10.0670	-9.9874	-9.9833
-9.9819	-9.3881	-9.3416	-9.3328	-9.2264	-9.2260	-9.0907	-9.0838
-8.7495	-8.7399	-8.4828	-8.4812	-8.4637	-8.2405	-8.2397	-8.2274
-8.2207	-8.2148	-8.2099	-8.1159	-7.8856	-7.8349	-7.7817	-7.7809
-7.6731	-7.6555	-7.5792	-7.3045	-7.2907	-7.2902	-7.2129	-7.2126
-7.0603	-7.0543	-6.9449	-6.9431	-6.6376	-6.6300	-6.5713	-6.2331
-6.1992	-6.1988	-6.1785	-6.0624	-6.0566	-5.7652	-5.7618	-5.6890
-5.6882	-5.5407	-5.5134	-5.5094	-5.3411	-5.3399	-5.2360	-5.2348
-5.1214	-5.1104	-4.7074	-4.7052	-4.4970	-4.4918	-4.4023	-4.4003
-3.8297	-3.8286	-3.6673	-3.6617	-3.2540	-3.0031	-2.6719	-2.0344
-0.5311	-0.0308	0.6904	0.6916	1.5930	1.5961	1.9021	1.9183
2.2618	2.3238	2.4450	2.4471	2.5268	2.5280	2.6266	2.6873
2.6917	2.7813	2.7973	3.1189	3.1202	3.1338	3.1489	3.1647
3.2460	3.2500						

k = 0.1190-0.5774 0.0000 ( 64810 PWs) bands (ev):

-21.1791	-21.1750	-21.1268	-21.1254	-20.7081	-20.6775	-20.2567	-20.1258
-19.4899	-19.4889	-19.1430	-19.1413	-19.1023	-19.1014	-18.8002	-18.7988
-18.6021	-18.6001	-18.2416	-18.2401	-18.1169	-18.1156	-17.8238	-17.8222
-17.4528	-17.2747	-17.1702	-17.1680	-16.1616	-16.1570	-15.1136	-14.6520
-14.3846	-14.1872	-14.1844	-14.0353	-13.2225	-13.2180	-12.3231	-12.3172



-12.0917	-12.0292	-12.0281	-11.9309	-11.7526	-11.5797	-11.5785	-11.1320
-11.1276	-10.9577	-10.9568	-10.9558	-10.0988	-10.0982	-9.9976	-9.9512
-9.9471	-9.3630	-9.3621	-9.3535	-9.1987	-9.1983	-9.0881	-9.0812
-8.7280	-8.7184	-8.4854	-8.4794	-8.4770	-8.2561	-8.2553	-8.2253
-8.2190	-8.2128	-8.2077	-8.1538	-7.9043	-7.8107	-7.7648	-7.7639
-7.6823	-7.6648	-7.6153	-7.2917	-7.2913	-7.2816	-7.2076	-7.2074
-7.0928	-7.0169	-6.9517	-6.9499	-6.6557	-6.6485	-6.5359	-6.2587
-6.2158	-6.2151	-6.1499	-6.0408	-6.0346	-5.7688	-5.7650	-5.6696
-5.6687	-5.5172	-5.5113	-5.5074	-5.3457	-5.3445	-5.2339	-5.2327
-5.1282	-5.1171	-4.7124	-4.7103	-4.5283	-4.5232	-4.4267	-4.4248
-3.8133	-3.8121	-3.6421	-3.6364	-3.2639	-2.9958	-2.6922	-2.0091
-0.5533	-0.0172	0.6649	0.6661	1.6304	1.6337	1.9051	1.9213
2.2589	2.3249	2.4480	2.4500	2.5122	2.5134	2.6043	2.6903
2.6946	2.7804	2.7964	3.1367	3.1411	3.1457	3.1475	3.1522
3.2490	3.2529						

k = 0.1270-0.5774 0.0000 ( 64820 PWs) bands (ev):

-21.1769	-21.1727	-21.1248	-21.1235	-20.7215	-20.6936	-20.2402	-20.1052
-19.5017	-19.5007	-19.1589	-19.1572	-19.0885	-19.0876	-18.7986	-18.7972
-18.5819	-18.5799	-18.2582	-18.2567	-18.1147	-18.1134	-17.8132	-17.8116
-17.4595	-17.2701	-17.2027	-17.2006	-16.1276	-16.1230	-15.1271	-14.6348
-14.3972	-14.2163	-14.2136	-14.0273	-13.1880	-13.1835	-12.3216	-12.3158
-12.1241	-12.0379	-12.0369	-11.9377	-11.7483	-11.5591	-11.5580	-11.1732
-11.1689	-10.9561	-10.9551	-10.9177	-10.1300	-10.1294	-10.0128	-9.9154
-9.9113	-9.3827	-9.3741	-9.3376	-9.1712	-9.1709	-9.0854	-9.0784
-8.7065	-8.6968	-8.5030	-8.4771	-8.4755	-8.2716	-8.2708	-8.2228
-8.2169	-8.2108	-8.2057	-8.1913	-7.9227	-7.7863	-7.7477	-7.7469
-7.6923	-7.6747	-7.6514	-7.2927	-7.2922	-7.2587	-7.2022	-7.2019
-7.1253	-6.9795	-6.9591	-6.9573	-6.6738	-6.6668	-6.5005	-6.2845
-6.2323	-6.2316	-6.1210	-6.0193	-6.0125	-5.7726	-5.7685	-5.6500
-5.6491	-5.5091	-5.5052	-5.4938	-5.3506	-5.3495	-5.2317	-5.2305
-5.1353	-5.1243	-4.7177	-4.7156	-4.5597	-4.5547	-4.4513	-4.4493
-3.7972	-3.7960	-3.6173	-3.6116	-3.2738	-2.9887	-2.7122	-1.9836
-0.5759	-0.0039	0.6400	0.6413	1.6682	1.6715	1.9083	1.9245
2.2561	2.3260	2.4512	2.4532	2.4981	2.4993	2.5821	2.6935
2.6978	2.7794	2.7954	3.1193	3.1399	3.1552	3.1725	3.1739
3.2522	3.2561						

k = 0.1349-0.5774 0.0000 ( 64820 PWs) bands (ev):

-21.1744	-21.1703	-21.1228	-21.1214	-20.7348	-20.7097	-20.2235	-20.0845
-19.5134	-19.5125	-19.1746	-19.1729	-19.0747	-19.0737	-18.7969	-18.7955
-18.5616	-18.5596	-18.2748	-18.2733	-18.1124	-18.1111	-17.8028	-17.8012
-17.4662	-17.2656	-17.2351	-17.2330	-16.0938	-16.0890	-15.1405	-14.6174
-14.4097	-14.2451	-14.2424	-14.0198	-13.1534	-13.1488	-12.3200	-12.3142
-12.1560	-12.0463	-12.0453	-11.9445	-11.7442	-11.5382	-11.5371	-11.2145
-11.2102	-10.9554	-10.9544	-10.8777	-10.1612	-10.1605	-10.0275	-9.8799
-9.8758	-9.4033	-9.3946	-9.3122	-9.1441	-9.1437	-9.0825	-9.0754
-8.6850	-8.6753	-8.5217	-8.4744	-8.4728	-8.2871	-8.2863	-8.2303
-8.2200	-8.2145	-8.2080	-8.2029	-7.9410	-7.7619	-7.7307	-7.7298
-7.7028	-7.6874	-7.6853	-7.2936	-7.2931	-7.2356	-7.1965	-7.1963
-7.1580	-6.9669	-6.9651	-6.9421	-6.6917	-6.6850	-6.4652	-6.3103
-6.2488	-6.2480	-6.0921	-5.9979	-5.9904	-5.7767	-5.7721	-5.6303
-5.6295	-5.5067	-5.5029	-5.4706	-5.3559	-5.3548	-5.2293	-5.2281
-5.1428	-5.1318	-4.7234	-4.7212	-4.5913	-4.5863	-4.4759	-4.4740
-3.7815	-3.7803	-3.5929	-3.5871	-3.2837	-2.9817	-2.7321	-1.9580
-0.5987	0.0092	0.6157	0.6170	1.7061	1.7096	1.9116	1.9278
2.2532	2.3269	2.4545	2.4566	2.4845	2.4857	2.5601	2.6969
2.7012	2.7783	2.7944	3.0972	3.1432	3.1585	3.1997	3.2011
3.2556	3.2596						

k = 0.1429-0.5774 0.0000 ( 64840 PWs) bands (ev):

-21.1719	-21.1677	-21.1206	-21.1193	-20.7480	-20.7256	-20.2067	-20.0637
-19.5251	-19.5241	-19.1902	-19.1885	-19.0608	-19.0598	-18.7950	-18.7937
-18.5412	-18.5392	-18.2916	-18.2901	-18.1100	-18.1087	-17.7927	-17.7911
-17.4729	-17.2674	-17.2654	-17.2612	-16.0600	-16.0551	-15.1537	-14.5999
-14.4222	-14.2735	-14.2710	-14.0129	-13.1187	-13.1140	-12.3184	-12.3125
-12.1871	-12.0542	-12.0532	-11.9513	-11.7403	-11.5170	-11.5159	-11.2558
-11.2515	-10.9546	-10.9536	-10.8377	-10.1924	-10.1917	-10.0416	-9.8449
-9.8408	-9.4237	-9.4152	-9.2865	-9.1172	-9.1168	-9.0794	-9.0722
-8.6635	-8.6538	-8.5403	-8.4714	-8.4699	-8.3026	-8.3018	-8.2678
-8.2170	-8.2119	-8.2057	-8.2006	-7.9592	-7.7386	-7.7222	-7.7139
-7.7136	-7.7127	-7.6964	-7.2944	-7.2939	-7.2124	-7.1907	-7.1906
-7.1903	-6.9752	-6.9733	-6.9048	-6.7095	-6.7031	-6.4300	-6.3361
-6.2651	-6.2643	-6.0633	-5.9766	-5.9684	-5.7810	-5.7757	-5.6106
-5.6098	-5.5041	-5.5004	-5.4474	-5.3615	-5.3604	-5.2267	-5.2255
-5.1507	-5.1397	-4.7293	-4.7272	-4.6229	-4.6179	-4.5007	-4.4988
-3.7662	-3.7650	-3.5690	-3.5632	-3.2936	-2.9750	-2.7518	-1.9322
-0.6219	0.0220	0.5920	0.5934	1.7444	1.7480	1.9152	1.9314
2.2503	2.3278	2.4581	2.4601	2.4714	2.4726	2.5383	2.7005
2.7048	2.7772	2.7933	3.0752	3.1468	3.1620	3.2272	3.2285
3.2592	3.2632						

k = 0.1508-0.5774 0.0000 ( 64844 PWs) bands (ev):

-21.1691	-21.1650	-21.1183	-21.1170	-20.7611	-20.7413	-20.1898	-20.0427
-19.5367	-19.5357	-19.2056	-19.2040	-19.0469	-19.0459	-18.7931	-18.7917
-18.5206	-18.5186	-18.3085	-18.3070	-18.1074	-18.1061	-17.7828	-17.7813
-17.4796	-17.2996	-17.2976	-17.2570	-16.0264	-16.0214	-15.1669	-14.5823
-14.4347	-14.3016	-14.2992	-14.0067	-13.0838	-13.0791	-12.3166	-12.3107
-12.2174	-12.0617	-12.0606	-11.9581	-11.7365	-11.4955	-11.4944	-11.2972
-11.2929	-10.9538	-10.9528	-10.7977	-10.2236	-10.2229	-10.0553	-9.8103
-9.8062	-9.4442	-9.4356	-9.2608	-9.0905	-9.0902	-9.0761	-9.0688
-8.6419	-8.6322	-8.5589	-8.4683	-8.4667	-8.3179	-8.3171	-8.3056
-8.2135	-8.2090	-8.2032	-8.1982	-7.9772	-7.7605	-7.7258	-7.7121
-7.7074	-7.6964	-7.6956	-7.2951	-7.2946	-7.2236	-7.1891	-7.1844
-7.1842	-6.9839	-6.9820	-6.8676	-6.7273	-6.7210	-6.3949	-6.3619
-6.2813	-6.2805	-6.0346	-5.9557	-5.9464	-5.7854	-5.7793	-5.5908
-5.5900	-5.5013	-5.4978	-5.4244	-5.3675	-5.3664	-5.2240	-5.2228
-5.1589	-5.1480	-4.7354	-4.7333	-4.6546	-4.6497	-4.5256	-4.5237
-3.7513	-3.7501	-3.5455	-3.5397	-3.3036	-2.9685	-2.7713	-1.9062
-0.6453	0.0345	0.5689	0.5704	1.7829	1.7866	1.9190	1.9352
2.2475	2.3285	2.4588	2.4600	2.4618	2.4639	2.5167	2.7044
2.7086	2.7760	2.7921	3.0534	3.1505	3.1657	3.2549	3.2563
3.2630	3.2670						

k = 0.1587-0.5774 0.0000 ( 64820 PWs) bands (ev):

-21.1663	-21.1621	-21.1159	-21.1145	-20.7741	-20.7569	-20.1729	-20.0215
-19.5482	-19.5472	-19.2209	-19.2193	-19.0329	-19.0319	-18.7911	-18.7897
-18.4999	-18.4978	-18.3255	-18.3240	-18.1047	-18.1034	-17.7733	-17.7717
-17.4864	-17.3317	-17.3298	-17.2529	-15.9929	-15.9877	-15.1799	-14.5646
-14.4471	-14.3294	-14.3270	-14.0011	-13.0489	-13.0441	-12.3147	-12.3089
-12.2469	-12.0687	-12.0677	-11.9648	-11.7329	-11.4737	-11.4726	-11.3386
-11.3343	-10.9529	-10.9519	-10.7578	-10.2547	-10.2541	-10.0684	-9.7761
-9.7720	-9.4645	-9.4560	-9.2349	-9.0727	-9.0653	-9.0642	-9.0639
-8.6205	-8.6108	-8.5770	-8.4650	-8.4634	-8.3434	-8.3332	-8.3324
-8.2097	-8.2058	-8.2005	-8.1956	-7.9950	-7.7962	-7.7380	-7.7207
-7.6863	-7.6793	-7.6784	-7.2958	-7.2952	-7.2564	-7.1780	-7.1778
-7.1656	-6.9930	-6.9912	-6.8305	-6.7449	-6.7388	-6.3878	-6.3598
-6.2973	-6.2966	-6.0060	-5.9354	-5.9247	-5.7898	-5.7825	-5.5709
-5.5701	-5.4984	-5.4950	-5.4015	-5.3738	-5.3728	-5.2212	-5.2200

-5.1675	-5.1567	-4.7419	-4.7398	-4.6863	-4.6815	-4.5506	-4.5488
-3.7368	-3.7356	-3.5225	-3.5166	-3.3135	-2.9621	-2.7906	-1.8801
-0.6690	0.0467	0.5466	0.5481	1.8216	1.8255	1.9230	1.9392
2.2447	2.3292	2.4469	2.4480	2.4657	2.4679	2.4954	2.7084
2.7126	2.7747	2.7909	3.0318	3.1544	3.1696	3.2670	3.2710
3.2829	3.2842						

k = 0.1667-0.5774 0.0000 ( 64864 PWs)      bands (ev):

-21.1632	-21.1591	-21.1133	-21.1120	-20.7870	-20.7723	-20.1558	-20.0002
-19.5596	-19.5586	-19.2361	-19.2345	-19.0189	-19.0179	-18.7889	-18.7875
-18.4791	-18.4770	-18.3427	-18.3412	-18.1018	-18.1005	-17.7639	-17.7624
-17.4931	-17.3637	-17.3618	-17.2489	-15.9596	-15.9543	-15.1928	-14.5467
-14.4595	-14.3567	-14.3545	-13.9962	-13.0138	-13.0090	-12.3128	-12.3069
-12.2755	-12.0753	-12.0743	-11.9716	-11.7295	-11.4516	-11.4505	-11.3800
-11.3757	-10.9520	-10.9510	-10.7178	-10.2859	-10.2852	-10.0810	-9.7423
-9.7383	-9.4848	-9.4764	-9.2088	-9.0692	-9.0615	-9.0382	-9.0379
-8.6015	-8.5950	-8.5871	-8.4615	-8.4600	-8.3811	-8.3484	-8.3476
-8.2056	-8.2025	-8.1976	-8.1930	-8.0127	-7.8322	-7.7510	-7.7336
-7.6621	-7.6612	-7.6612	-7.2964	-7.2958	-7.2893	-7.1713	-7.1711
-7.1420	-7.0026	-7.0008	-6.7935	-6.7623	-6.7564	-6.4137	-6.3249
-6.3133	-6.3125	-5.9776	-5.9160	-5.9035	-5.7940	-5.7851	-5.5510
-5.5502	-5.4954	-5.4920	-5.3809	-5.3797	-5.3781	-5.2182	-5.2170
-5.1765	-5.1656	-4.7486	-4.7466	-4.7182	-4.7134	-4.5757	-4.5739
-3.7227	-3.7215	-3.5000	-3.4941	-3.3234	-2.9560	-2.8098	-1.8538
-0.6931	0.0587	0.5248	0.5265	1.8606	1.8646	1.9272	1.9434
2.2418	2.3298	2.4354	2.4366	2.4689	2.4719	2.4753	2.7127
2.7169	2.7734	2.7895	3.0104	3.1585	3.1736	3.2636	3.2716
3.2753	3.3111						

k = 0.1746-0.5774 0.0000 ( 64816 PWs)      bands (ev):

-21.1601	-21.1559	-21.1107	-21.1093	-20.7998	-20.7876	-20.1387	-19.9788
-19.5709	-19.5699	-19.2511	-19.2495	-19.0049	-19.0039	-18.7867	-18.7853
-18.4581	-18.4560	-18.3599	-18.3584	-18.0988	-18.0975	-17.7549	-17.7533
-17.4999	-17.3956	-17.3937	-17.2451	-15.9265	-15.9210	-15.2056	-14.5287
-14.4718	-14.3836	-14.3815	-13.9921	-12.9786	-12.9738	-12.3111	-12.3057
-12.3021	-12.0814	-12.0804	-11.9784	-11.7263	-11.4292	-11.4281	-11.4215
-11.4172	-10.9510	-10.9500	-10.6778	-10.3170	-10.3163	-10.0930	-9.7091
-9.7051	-9.5051	-9.4967	-9.1827	-9.0655	-9.0576	-9.0125	-9.0122
-8.6149	-8.5768	-8.5669	-8.4579	-8.4564	-8.4186	-8.3635	-8.3627
-8.2012	-8.1991	-8.1942	-8.1902	-8.0303	-7.8681	-7.7645	-7.7471
-7.6449	-7.6440	-7.6358	-7.3223	-7.2969	-7.2963	-7.1644	-7.1642
-7.1183	-7.0126	-7.0108	-6.7797	-6.7739	-6.7564	-6.4397	-6.3291
-6.3283	-6.2900	-5.9493	-5.8982	-5.8834	-5.7974	-5.7864	-5.5310
-5.5302	-5.4921	-5.4889	-5.3877	-5.3866	-5.3559	-5.2151	-5.2139
-5.1857	-5.1749	-4.7555	-4.7535	-4.7500	-4.7453	-4.6010	-4.5992
-3.7090	-3.7078	-3.4781	-3.4721	-3.3333	-2.9501	-2.8288	-1.8273
-0.7174	0.0704	0.5038	0.5056	1.8998	1.9039	1.9316	1.9478
2.2391	2.3303	2.4245	2.4256	2.4526	2.4748	2.4765	2.7171
2.7213	2.7720	2.7881	2.9892	3.1629	3.1778	3.2424	3.2758
3.2797	3.3394						

k = 0.1825-0.5774 0.0000 ( 64810 PWs)      bands (ev):

-21.1568	-21.1526	-21.1079	-21.1065	-20.8124	-20.8027	-20.1214	-19.9573
-19.5821	-19.5812	-19.2660	-19.2644	-18.9908	-18.9898	-18.7843	-18.7829
-18.4370	-18.4349	-18.3772	-18.3757	-18.0957	-18.0944	-17.7461	-17.7445
-17.5066	-17.4274	-17.4256	-17.2414	-15.8937	-15.8880	-15.2182	-14.5106
-14.4840	-14.4101	-14.4081	-13.9888	-12.9433	-12.9384	-12.3304	-12.3084
-12.3026	-12.0871	-12.0861	-11.9852	-11.7232	-11.4629	-11.4587	-11.4065
-11.4054	-10.9500	-10.9490	-10.6379	-10.3480	-10.3474	-10.1044	-9.6764

-9.6725	-9.5253	-9.5169	-9.1565	-9.0616	-9.0535	-8.9872	-8.9869
-8.6327	-8.5553	-8.5454	-8.4587	-8.4534	-8.4508	-8.3786	-8.3778
-8.1968	-8.1954	-8.1905	-8.1871	-8.0477	-7.9041	-7.7786	-7.7613
-7.6277	-7.6268	-7.6103	-7.3554	-7.2973	-7.2968	-7.1571	-7.1569
-7.0944	-7.0231	-7.0213	-6.7969	-6.7912	-6.7196	-6.4657	-6.3448
-6.3440	-6.2552	-5.9212	-5.8831	-5.8656	-5.7987	-5.7853	-5.5110
-5.5102	-5.4887	-5.4856	-5.3951	-5.3941	-5.3333	-5.2119	-5.2107
-5.1952	-5.1845	-4.7819	-4.7773	-4.7627	-4.7607	-4.6263	-4.6245
-3.6957	-3.6945	-3.4566	-3.4506	-3.3432	-2.9444	-2.8476	-1.8007
-0.7421	0.0819	0.4835	0.4854	1.9361	1.9392	1.9434	1.9526
2.2365	2.3307	2.4141	2.4153	2.4320	2.4792	2.4811	2.7218
2.7260	2.7705	2.7867	2.9682	3.1673	3.1820	3.2214	3.2804
3.2844	3.3678						

k = 0.1905-0.5774 0.0000 ( 64822 PWs) bands (ev):

-21.1533	-21.1492	-21.1049	-21.1036	-20.8250	-20.8177	-20.1041	-19.9356
-19.5933	-19.5923	-19.2808	-19.2791	-18.9767	-18.9757	-18.7819	-18.7805
-18.4157	-18.4136	-18.3946	-18.3931	-18.0924	-18.0911	-17.7376	-17.7360
-17.5134	-17.4591	-17.4573	-17.2379	-15.8611	-15.8553	-15.2308	-14.4962
-14.4924	-14.4361	-14.4342	-13.9864	-12.9078	-12.9029	-12.3560	-12.3063
-12.3004	-12.0924	-12.0913	-11.9920	-11.7204	-11.5044	-11.5002	-11.3835
-11.3824	-10.9490	-10.9480	-10.5981	-10.3791	-10.3784	-10.1153	-9.6443
-9.6404	-9.5454	-9.5371	-9.1301	-9.0576	-9.0493	-8.9621	-8.9619
-8.6505	-8.5338	-8.5239	-8.4943	-8.4498	-8.4483	-8.3936	-8.3928
-8.1934	-8.1906	-8.1866	-8.1833	-8.0649	-7.9400	-7.7933	-7.7760
-7.6104	-7.6096	-7.5845	-7.3885	-7.2977	-7.2972	-7.1497	-7.1495
-7.0704	-7.0340	-7.0321	-6.8140	-6.8084	-6.6828	-6.4917	-6.3604
-6.3596	-6.2206	-5.8933	-5.8722	-5.8530	-5.7952	-5.7803	-5.4912
-5.4902	-5.4850	-5.4820	-5.4030	-5.4020	-5.3109	-5.2088	-5.2077
-5.2044	-5.1942	-4.8139	-4.8093	-4.7702	-4.7682	-4.6518	-4.6500
-3.6829	-3.6817	-3.4357	-3.4297	-3.3532	-2.9389	-2.8663	-1.7739
-0.7670	0.0931	0.4639	0.4659	1.9409	1.9570	1.9789	1.9834
2.2339	2.3310	2.4043	2.4054	2.4115	2.4840	2.4859	2.7267
2.7308	2.7689	2.7851	2.9474	3.1719	3.1852	3.2019	3.2853
3.2892	3.3951						

k = 0.1984-0.5774 0.0000 ( 64802 PWs) bands (ev):

-21.1497	-21.1456	-21.1019	-21.1005	-20.8376	-20.8324	-20.0867	-19.9137
-19.6044	-19.6034	-19.2954	-19.2937	-18.9626	-18.9616	-18.7793	-18.7779
-18.4121	-18.4106	-18.3943	-18.3922	-18.0890	-18.0877	-17.7294	-17.7278
-17.5201	-17.4906	-17.4889	-17.2345	-15.8289	-15.8229	-15.2432	-14.5083
-14.4741	-14.4615	-14.4597	-13.9850	-12.8723	-12.8673	-12.3806	-12.3040
-12.2980	-12.0972	-12.0961	-11.9987	-11.7177	-11.5460	-11.5417	-11.3602
-11.3591	-10.9479	-10.9469	-10.5583	-10.4101	-10.4094	-10.1256	-9.6127
-9.6090	-9.5652	-9.5571	-9.1037	-9.0534	-9.0448	-8.9374	-8.9372
-8.6682	-8.5317	-8.5122	-8.5022	-8.4457	-8.4441	-8.4085	-8.4077
-8.1905	-8.1857	-8.1824	-8.1784	-8.0819	-7.9759	-7.8086	-7.7913
-7.5932	-7.5923	-7.5586	-7.4217	-7.2981	-7.2975	-7.1419	-7.1417
-7.0463	-7.0453	-7.0435	-6.8309	-6.8254	-6.6461	-6.5177	-6.3759
-6.3751	-6.1860	-5.8673	-5.8649	-5.8479	-5.7843	-5.7706	-5.4817
-5.4788	-5.4705	-5.4697	-5.4112	-5.4103	-5.2886	-5.2154	-5.2062
-5.2039	-5.2027	-4.8458	-4.8413	-4.7778	-4.7759	-4.6773	-4.6756
-3.6704	-3.6692	-3.4154	-3.4094	-3.3631	-2.9337	-2.8847	-1.7469
-0.7922	0.1040	0.4451	0.4472	1.9459	1.9621	2.0187	2.0234
2.2313	2.3312	2.3912	2.3950	2.3962	2.4890	2.4909	2.7318
2.7359	2.7673	2.7835	2.9268	3.1739	3.1792	3.1947	3.2903
3.2943	3.4008						

k = 0.2063-0.5774 0.0000 ( 64806 PWs) bands (ev):

-21.1459	-21.1418	-21.0987	-21.0974	-20.8502	-20.8468	-20.0692	-19.8918
-19.6153	-19.6144	-19.3098	-19.3082	-18.9484	-18.9474	-18.7767	-18.7753
-18.4298	-18.4283	-18.3728	-18.3707	-18.0854	-18.0841	-17.7214	-17.7198
-17.5269	-17.5221	-17.5204	-17.2313	-15.7971	-15.7909	-15.2555	-14.5203
-14.4862	-14.4846	-14.4556	-13.9846	-12.8366	-12.8316	-12.4041	-12.3016
-12.2956	-12.1015	-12.1005	-12.0054	-11.7152	-11.5875	-11.5833	-11.3367
-11.3355	-10.9468	-10.9458	-10.5185	-10.4410	-10.4403	-10.1354	-9.5876
-9.5829	-9.5770	-9.5747	-9.0772	-9.0491	-9.0402	-8.9131	-8.9128
-8.6857	-8.5691	-8.4906	-8.4806	-8.4414	-8.4398	-8.4233	-8.4225
-8.1877	-8.1819	-8.1769	-8.1726	-8.0988	-8.0117	-7.8245	-7.8072
-7.5759	-7.5750	-7.5325	-7.4549	-7.2983	-7.2978	-7.1339	-7.1336
-7.0570	-7.0552	-7.0221	-6.8477	-6.8423	-6.6096	-6.5438	-6.3912
-6.3904	-6.1515	-5.8657	-5.8504	-5.8371	-5.7673	-5.7563	-5.4777
-5.4749	-5.4504	-5.4496	-5.4199	-5.4189	-5.2665	-5.2256	-5.2151
-5.2010	-5.1998	-4.8778	-4.8733	-4.7857	-4.7838	-4.7030	-4.7012
-3.6584	-3.6572	-3.3957	-3.3896	-3.3729	-2.9287	-2.9030	-1.7197
-0.8177	0.1147	0.4270	0.4293	1.9511	1.9673	2.0586	2.0636
2.2289	2.3314	2.3711	2.3863	2.3874	2.4942	2.4961	2.7370
2.7411	2.7656	2.7818	2.9064	3.1561	3.1826	3.1986	3.2956
3.2995	3.3655						

k = 0.2143-0.5774 0.0000 ( 64814 PWs) bands (ev):

-21.1420	-21.1379	-21.0954	-21.0941	-20.8634	-20.8604	-20.0516	-19.8696
-19.6262	-19.6253	-19.3242	-19.3225	-18.9343	-18.9333	-18.7739	-18.7725
-18.4474	-18.4459	-18.3512	-18.3490	-18.0817	-18.0804	-17.7137	-17.7122
-17.5535	-17.5518	-17.5336	-17.2282	-15.7657	-15.7594	-15.2676	-14.5323
-14.5104	-14.5089	-14.4371	-13.9852	-12.8008	-12.7958	-12.4264	-12.2991
-12.2931	-12.1054	-12.1044	-12.0121	-11.7129	-11.6290	-11.6248	-11.3129
-11.3117	-10.9457	-10.9447	-10.4788	-10.4719	-10.4712	-10.1445	-9.6060
-9.5976	-9.5510	-9.5468	-9.0506	-9.0448	-9.0354	-8.8891	-8.8889
-8.7031	-8.6063	-8.4691	-8.4590	-8.4381	-8.4373	-8.4369	-8.4353
-8.1849	-8.1788	-8.1703	-8.1662	-8.1156	-8.0475	-7.8409	-7.8237
-7.5585	-7.5577	-7.5063	-7.4882	-7.2986	-7.2980	-7.1255	-7.1253
-7.0691	-7.0673	-6.9977	-6.8644	-6.8590	-6.5731	-6.5699	-6.4064
-6.4056	-6.1172	-5.8684	-5.8550	-5.8100	-5.7472	-5.7388	-5.4737
-5.4710	-5.4302	-5.4294	-5.4289	-5.4280	-5.2444	-5.2361	-5.2255
-5.1972	-5.1960	-4.9098	-4.9053	-4.7938	-4.7919	-4.7287	-4.7270
-3.6469	-3.6457	-3.3828	-3.3766	-3.3704	-2.9239	-2.9211	-1.6924
-0.8435	0.1252	0.4097	0.4121	1.9565	1.9727	2.0987	2.1040
2.2265	2.3314	2.3514	2.3781	2.3793	2.4996	2.5015	2.7425
2.7465	2.7638	2.7800	2.8861	3.1360	3.1878	3.2035	3.3009
3.3049	3.3267						

k = 0.2222-0.5774 0.0000 ( 64840 PWs) bands (ev):

-21.1380	-21.1339	-21.0920	-21.0907	-20.8772	-20.8731	-20.0339	-19.8474
-19.6370	-19.6360	-19.3383	-19.3367	-18.9201	-18.9191	-18.7711	-18.7697
-18.4652	-18.4637	-18.3294	-18.3272	-18.0779	-18.0766	-17.7063	-17.7048
-17.5847	-17.5830	-17.5403	-17.2253	-15.7349	-15.7284	-15.2797	-14.5442
-14.5337	-14.5324	-14.4184	-13.9869	-12.7650	-12.7599	-12.4474	-12.2965
-12.2905	-12.1088	-12.1078	-12.0188	-11.7108	-11.6706	-11.6664	-11.2888
-11.2876	-10.9445	-10.9435	-10.5027	-10.5020	-10.4392	-10.1531	-9.6258
-9.6175	-9.5213	-9.5172	-9.0403	-9.0304	-9.0239	-8.8655	-8.8653
-8.7203	-8.6434	-8.4527	-8.4520	-8.4475	-8.4374	-8.4322	-8.4306
-8.1821	-8.1759	-8.1629	-8.1592	-8.1321	-8.0833	-7.8579	-7.8407
-7.5412	-7.5403	-7.5215	-7.4799	-7.2988	-7.2982	-7.1169	-7.1167
-7.0817	-7.0799	-6.9732	-6.8809	-6.8756	-6.5960	-6.5367	-6.4214
-6.4206	-6.0829	-5.8735	-5.8619	-5.7828	-5.7256	-5.7193	-5.4695
-5.4669	-5.4384	-5.4375	-5.4100	-5.4091	-5.2468	-5.2362	-5.2225
-5.1933	-5.1921	-4.9417	-4.9374	-4.8020	-4.8002	-4.7545	-4.7528
-3.6357	-3.6345	-3.3926	-3.3581	-3.3520	-2.9390	-2.9195	-1.6649

-0.8695	0.1354	0.3932	0.3957	1.9621	1.9783	2.1388	2.1445
2.2242	2.3314	2.3320	2.3705	2.3716	2.5052	2.5071	2.7482
2.7521	2.7621	2.7781	2.8661	3.1158	3.1933	3.2089	3.2870
3.2930	3.3070						

k = 0.2302-0.5774 0.0000 ( 64824 PWs) bands (ev):

-21.1338	-21.1297	-21.0885	-21.0871	-20.8913	-20.8853	-20.0161	-19.8250
-19.6477	-19.6468	-19.3524	-19.3508	-18.9059	-18.9049	-18.7681	-18.7667
-18.4831	-18.4816	-18.3074	-18.3053	-18.0739	-18.0726	-17.6992	-17.6977
-17.6158	-17.6142	-17.5470	-17.2226	-15.7048	-15.6981	-15.2916	-14.5564
-14.5559	-14.5550	-14.3996	-13.9898	-12.7290	-12.7238	-12.4671	-12.2938
-12.2878	-12.1118	-12.1108	-12.0255	-11.7121	-11.7088	-11.7079	-11.2644
-11.2632	-10.9433	-10.9423	-10.5334	-10.5327	-10.3996	-10.1611	-9.6456
-9.6373	-9.4923	-9.4881	-9.0358	-9.0252	-8.9972	-8.8423	-8.8421
-8.7374	-8.6804	-8.4673	-8.4666	-8.4273	-8.4260	-8.4257	-8.4158
-8.1793	-8.1730	-8.1550	-8.1526	-8.1473	-8.1190	-7.8754	-7.8582
-7.5549	-7.5239	-7.5230	-7.4533	-7.2989	-7.2983	-7.1080	-7.1078
-7.0946	-7.0928	-6.9486	-6.8972	-6.8920	-6.6222	-6.5005	-6.4364
-6.4356	-6.0488	-5.8804	-5.8700	-5.7558	-5.7033	-5.6985	-5.4652
-5.4627	-5.4483	-5.4474	-5.3896	-5.3888	-5.2576	-5.2470	-5.2007
-5.1892	-5.1880	-4.9737	-4.9694	-4.8104	-4.8086	-4.7805	-4.7787
-3.6251	-3.6238	-3.4024	-3.3403	-3.3341	-2.9568	-2.9152	-1.6373
-0.8959	0.1454	0.3775	0.3801	1.9679	1.9840	2.1787	2.1851
2.2222	2.3134	2.3313	2.3635	2.3646	2.5110	2.5129	2.7541
2.7570	2.7611	2.7762	2.8463	3.0957	3.1990	3.2145	3.2475
3.2533	3.3127						

k = 0.2381-0.5774 0.0000 ( 64812 PWs) bands (ev):

-21.1295	-21.1254	-21.0848	-21.0835	-20.9054	-20.8972	-19.9983	-19.8025
-19.6583	-19.6574	-19.3663	-19.3647	-18.8916	-18.8906	-18.7650	-18.7637
-18.5010	-18.4995	-18.2854	-18.2832	-18.0698	-18.0685	-17.6924	-17.6909
-17.6468	-17.6452	-17.5537	-17.2201	-15.6754	-15.6684	-15.3034	-14.5778
-14.5768	-14.5678	-14.3807	-13.9939	-12.6929	-12.6877	-12.4854	-12.2910
-12.2850	-12.1143	-12.1133	-12.0321	-11.7537	-11.7495	-11.7071	-11.2397
-11.2386	-10.9420	-10.9410	-10.5641	-10.5634	-10.3602	-10.1684	-9.6653
-9.6571	-9.4639	-9.4598	-9.0314	-9.0198	-8.9705	-8.8195	-8.8193
-8.7542	-8.7171	-8.4818	-8.4811	-8.4223	-8.4208	-8.4043	-8.3942
-8.1766	-8.1702	-8.1653	-8.1547	-8.1464	-8.1427	-7.8934	-7.8763
-7.5883	-7.5065	-7.5056	-7.4266	-7.2990	-7.2984	-7.1080	-7.1063
-7.0987	-7.0984	-6.9239	-6.9135	-6.9083	-6.6484	-6.4643	-6.4512
-6.4504	-6.0147	-5.8885	-5.8790	-5.7289	-5.6805	-5.6769	-5.4608
-5.4587	-5.4584	-5.4575	-5.3693	-5.3685	-5.2685	-5.2580	-5.1849
-5.1837	-5.1790	-5.0056	-5.0014	-4.8190	-4.8173	-4.8065	-4.8047
-3.6148	-3.6136	-3.4122	-3.3231	-3.3170	-2.9743	-2.9113	-1.6095
-0.9225	0.1551	0.3626	0.3654	1.9740	1.9900	2.2169	2.2188
2.2274	2.2967	2.3311	2.3570	2.3581	2.5170	2.5189	2.7571
2.7603	2.7650	2.7741	2.8267	3.0758	3.2049	3.2078	3.2136
3.2204	3.3187						

k = 0.2460-0.5774 0.0000 ( 64824 PWs) bands (ev):

-21.1250	-21.1209	-21.0810	-21.0797	-20.9193	-20.9090	-19.9804	-19.7798
-19.6688	-19.6679	-19.3800	-19.3784	-18.8774	-18.8764	-18.7619	-18.7605
-18.5190	-18.5175	-18.2632	-18.2610	-18.0656	-18.0642	-17.6859	-17.6843
-17.6778	-17.6762	-17.5604	-17.2178	-15.6468	-15.6397	-15.3151	-14.5983
-14.5974	-14.5794	-14.3616	-13.9993	-12.6566	-12.6515	-12.5024	-12.2881
-12.2821	-12.1164	-12.1154	-12.0387	-11.7952	-11.7911	-11.7055	-11.2148
-11.2137	-10.9407	-10.9397	-10.5947	-10.5940	-10.3208	-10.1752	-9.6851
-9.6769	-9.4363	-9.4321	-9.0270	-9.0143	-8.9437	-8.7970	-8.7969
-8.7709	-8.7534	-8.4963	-8.4955	-8.4171	-8.4156	-8.3828	-8.3726

-8.1903	-8.1813	-8.1738	-8.1673	-8.1372	-8.1339	-7.9121	-7.8950
-7.6218	-7.4891	-7.4882	-7.3998	-7.2990	-7.2984	-7.1218	-7.1200
-7.0892	-7.0889	-6.9295	-6.9244	-6.8990	-6.6745	-6.4658	-6.4650
-6.4283	-5.9809	-5.8976	-5.8887	-5.7022	-5.6574	-5.6547	-5.4694
-5.4686	-5.4561	-5.4538	-5.3489	-5.3481	-5.2795	-5.2690	-5.1805
-5.1793	-5.1575	-5.0376	-5.0333	-4.8325	-4.8308	-4.8278	-4.8260
-3.6050	-3.6038	-3.4220	-3.3066	-3.3005	-2.9917	-2.9076	-1.5815
-0.9494	0.1646	0.3485	0.3515	1.9802	1.9962	2.2176	2.2465
2.2670	2.2898	2.3309	2.3511	2.3522	2.5232	2.5251	2.7552
2.7665	2.7710	2.7721	2.8073	3.0560	3.1681	3.1737	3.2111
3.2265	3.3250						

k = 0.2540-0.5774 0.0000 ( 64842 PWs) bands (ev):

-21.1204	-21.1163	-21.0771	-21.0758	-20.9332	-20.9207	-19.9624	-19.7570
-19.6793	-19.6783	-19.3936	-19.3921	-18.8631	-18.8621	-18.7586	-18.7572
-18.5370	-18.5355	-18.2409	-18.2387	-18.0612	-18.0598	-17.7085	-17.7070
-17.6796	-17.6781	-17.5671	-17.2156	-15.6193	-15.6119	-15.3266	-14.6176
-14.6168	-14.5910	-14.3424	-14.0059	-12.6203	-12.6151	-12.5179	-12.2851
-12.2791	-12.1180	-12.1170	-12.0453	-11.8367	-11.8326	-11.7041	-11.1897
-11.1885	-10.9394	-10.9384	-10.6252	-10.6245	-10.2815	-10.1814	-9.7047
-9.6966	-9.4094	-9.4052	-9.0230	-9.0086	-8.9169	-8.7892	-8.7874
-8.7750	-8.7749	-8.5106	-8.5099	-8.4117	-8.4102	-8.3612	-8.3510
-8.2259	-8.1972	-8.1710	-8.1645	-8.1274	-8.1243	-7.9312	-7.9142
-7.6552	-7.4717	-7.4708	-7.3728	-7.2990	-7.2984	-7.1359	-7.1342
-7.0794	-7.0791	-6.9454	-6.9403	-6.8740	-6.7007	-6.4804	-6.4796
-6.3925	-5.9471	-5.9076	-5.8991	-5.6758	-5.6341	-5.6322	-5.4806
-5.4798	-5.4514	-5.4492	-5.3286	-5.3278	-5.2904	-5.2800	-5.1760
-5.1748	-5.1362	-5.0694	-5.0652	-4.8587	-4.8570	-4.8367	-4.8350
-3.5956	-3.5944	-3.4317	-3.2908	-3.2847	-3.0089	-2.9042	-1.5533
-0.9766	0.1739	0.3353	0.3384	1.9866	2.0026	2.2159	2.2447
2.3074	2.3146	2.3305	2.3459	2.3470	2.5296	2.5316	2.7530
2.7696	2.7733	2.7775	2.7881	3.0365	3.1283	3.1338	3.2174
3.2328	3.3315						

k = 0.2619-0.5774 0.0000 ( 64842 PWs) bands (ev):

-21.1156	-21.1115	-21.0731	-21.0717	-20.9469	-20.9322	-19.9443	-19.7341
-19.6896	-19.6887	-19.4071	-19.4055	-18.8488	-18.8479	-18.7552	-18.7539
-18.5551	-18.5536	-18.2184	-18.2162	-18.0566	-18.0553	-17.7392	-17.7377
-17.6737	-17.6721	-17.5738	-17.2136	-15.5929	-15.5853	-15.3381	-14.6356
-14.6349	-14.6025	-14.3232	-14.0139	-12.5839	-12.5786	-12.5319	-12.2821
-12.2760	-12.1192	-12.1182	-12.0519	-11.8782	-11.8741	-11.7029	-11.1643
-11.1631	-10.9381	-10.9370	-10.6556	-10.6549	-10.2424	-10.1870	-9.7243
-9.7162	-9.3833	-9.3790	-9.0195	-9.0028	-8.8900	-8.8242	-8.8036
-8.7534	-8.7533	-8.5249	-8.5241	-8.4062	-8.4047	-8.3397	-8.3294
-8.2614	-8.2130	-8.1681	-8.1616	-8.1170	-8.1141	-7.9509	-7.9339
-7.6888	-7.4543	-7.4534	-7.3456	-7.2989	-7.2984	-7.1505	-7.1487
-7.0692	-7.0689	-6.9612	-6.9561	-6.8489	-6.7270	-6.4948	-6.4940
-6.3567	-5.9183	-5.9135	-5.9102	-5.6496	-5.6109	-5.6094	-5.4922
-5.4915	-5.4466	-5.4445	-5.3092	-5.3082	-5.3001	-5.2904	-5.1713
-5.1701	-5.1150	-5.1012	-5.0971	-4.8849	-4.8832	-4.8457	-4.8441
-3.5867	-3.5855	-3.4413	-3.2758	-3.2696	-3.0259	-2.9011	-1.5250
-1.0041	0.1830	0.3230	0.3262	1.9932	2.0091	2.2142	2.2294
2.3301	2.3399	2.3412	2.3494	2.3543	2.5363	2.5382	2.7507
2.7674	2.7690	2.7799	2.7842	3.0171	3.0884	3.0939	3.2239
3.2392	3.3382						

k = 0.2698-0.5774 0.0000 ( 64842 PWs) bands (ev):

-21.1106	-21.1066	-21.0689	-21.0676	-20.9604	-20.9436	-19.9261	-19.7110
-19.6999	-19.6989	-19.4204	-19.4189	-18.8346	-18.8336	-18.7518	-18.7504

-18.5733	-18.5718	-18.1958	-18.1936	-18.0520	-18.0506	-17.7698	-17.7683
-17.6680	-17.6665	-17.5804	-17.2118	-15.5678	-15.5600	-15.3494	-14.6520
-14.6513	-14.6139	-14.3037	-14.0232	-12.5481	-12.5441	-12.5417	-12.2790
-12.2729	-12.1199	-12.1189	-12.0584	-11.9198	-11.9156	-11.7019	-11.1386
-11.1374	-10.9367	-10.9357	-10.6859	-10.6852	-10.2033	-10.1919	-9.7438
-9.7358	-9.3580	-9.3536	-9.0172	-8.9967	-8.8632	-8.8578	-8.8197
-8.7322	-8.7321	-8.5390	-8.5383	-8.4005	-8.3990	-8.3181	-8.3078
-8.2969	-8.2286	-8.1653	-8.1587	-8.1059	-8.1032	-7.9711	-7.9541
-7.7223	-7.4369	-7.4360	-7.3183	-7.2988	-7.2982	-7.1654	-7.1636
-7.0588	-7.0585	-6.9767	-6.9717	-6.8237	-6.7532	-6.5090	-6.5082
-6.3212	-5.9298	-5.9219	-5.8800	-5.6237	-5.5877	-5.5863	-5.5043
-5.5036	-5.4417	-5.4397	-5.3132	-5.3031	-5.2867	-5.2857	-5.1664
-5.1652	-5.1330	-5.1288	-5.0939	-4.9111	-4.9094	-4.8549	-4.8533
-3.5783	-3.5770	-3.4510	-3.2614	-3.2553	-3.0428	-2.8984	-1.4965
-1.0318	0.1918	0.3116	0.3149	2.0000	2.0159	2.2120	2.2125
2.3296	2.3365	2.3376	2.3898	2.3948	2.5431	2.5450	2.7482
2.7503	2.7650	2.7869	2.7911	2.9979	3.0486	3.0539	3.2307
3.2459	3.3451						

k = 0.2778-0.5774 0.0000 ( 64818 PWs) bands (ev):

-21.1056	-21.1015	-21.0647	-21.0633	-20.9738	-20.9549	-19.9078	-19.7100
-19.7090	-19.6878	-19.4336	-19.4321	-18.8203	-18.8193	-18.7482	-18.7468
-18.5916	-18.5901	-18.1731	-18.1708	-18.0472	-18.0458	-17.8002	-17.7987
-17.6627	-17.6611	-17.5870	-17.2103	-15.5443	-15.5363	-15.3606	-14.6668
-14.6660	-14.6252	-14.2842	-14.0339	-12.5555	-12.5107	-12.5054	-12.2757
-12.2696	-12.1202	-12.1192	-12.0649	-11.9612	-11.9571	-11.7009	-11.1127
-11.1115	-10.9352	-10.9342	-10.7161	-10.7154	-10.1963	-10.1644	-9.7633
-9.7553	-9.3336	-9.3290	-9.0171	-8.9905	-8.8889	-8.8363	-8.8356
-8.7115	-8.7113	-8.5531	-8.5524	-8.3946	-8.3931	-8.3323	-8.2966
-8.2862	-8.2441	-8.1624	-8.1558	-8.0942	-8.0917	-7.9918	-7.9749
-7.7560	-7.4194	-7.4185	-7.2987	-7.2981	-7.2908	-7.1806	-7.1789
-7.0480	-7.0477	-6.9922	-6.9872	-6.7984	-6.7794	-6.5232	-6.5224
-6.2857	-5.9419	-5.9342	-5.8467	-5.5981	-5.5649	-5.5630	-5.5168
-5.5162	-5.4367	-5.4349	-5.3237	-5.3132	-5.2665	-5.2657	-5.1647
-5.1615	-5.1605	-5.1603	-5.0730	-4.9374	-4.9358	-4.8642	-4.8626
-3.5703	-3.5690	-3.4606	-3.2478	-3.2417	-3.0595	-2.8959	-1.4678
-1.0598	0.2004	0.3010	0.3045	2.0070	2.0228	2.1942	2.2110
2.3290	2.3330	2.3340	2.4313	2.4364	2.5501	2.5520	2.7317
2.7458	2.7625	2.7940	2.7983	2.9790	3.0087	3.0140	3.2376
3.2527	3.3522						

k = 0.2857-0.5774 0.0000 ( 64838 PWs) bands (ev):

-21.1004	-21.0963	-21.0603	-21.0589	-20.9871	-20.9661	-19.8895	-19.7200
-19.7191	-19.6644	-19.4466	-19.4451	-18.8060	-18.8050	-18.7445	-18.7432
-18.6098	-18.6084	-18.1503	-18.1480	-18.0422	-18.0408	-17.8306	-17.8291
-17.6576	-17.6560	-17.5936	-17.2089	-15.5226	-15.5143	-15.3716	-14.6795
-14.6787	-14.6364	-14.2646	-14.0459	-12.5650	-12.4740	-12.4686	-12.2724
-12.2663	-12.1200	-12.1190	-12.0713	-12.0027	-11.9986	-11.7002	-11.0865
-11.0853	-10.9338	-10.9328	-10.7462	-10.7455	-10.2001	-10.1256	-9.7827
-9.7748	-9.3100	-9.3052	-9.0217	-8.9842	-8.9151	-8.8512	-8.8094
-8.6912	-8.6910	-8.5671	-8.5664	-8.3886	-8.3870	-8.3676	-8.2752
-8.2646	-8.2594	-8.1595	-8.1529	-8.0818	-8.0794	-8.0130	-7.9961
-7.7896	-7.4019	-7.4010	-7.2985	-7.2979	-7.2632	-7.1963	-7.1945
-7.0371	-7.0367	-7.0073	-7.0024	-6.8057	-6.7729	-6.5371	-6.5363
-6.2505	-5.9548	-5.9471	-5.8135	-5.5729	-5.5423	-5.5396	-5.5298
-5.5292	-5.4318	-5.4300	-5.3340	-5.3234	-5.2461	-5.2452	-5.1962
-5.1920	-5.1564	-5.1552	-5.0522	-4.9638	-4.9622	-4.8735	-4.8720
-3.5627	-3.5614	-3.4701	-3.2350	-3.2289	-3.0759	-2.8937	-1.4390
-1.0881	0.2088	0.2913	0.2950	2.0142	2.0299	2.1764	2.2098
2.3282	2.3300	2.3309	2.4730	2.4783	2.5573	2.5593	2.7134



2.7432	2.7599	2.8014	2.8056	2.9601	2.9690	2.9740	3.2447
3.2597	3.3594						

k = 0.2936-0.5774 0.0000 ( 64858 PWs)      bands (ev):

-21.0950	-21.0909	-21.0557	-21.0544	-21.0002	-20.9771	-19.8711	-19.7300
-19.7290	-19.6409	-19.4595	-19.4580	-18.7917	-18.7907	-18.7408	-18.7394
-18.6282	-18.6267	-18.1273	-18.1250	-18.0371	-18.0357	-17.8608	-17.8593
-17.6528	-17.6512	-17.6001	-17.2077	-15.5029	-15.4944	-15.3825	-14.6901
-14.6891	-14.6475	-14.2448	-14.0592	-12.5730	-12.4371	-12.4318	-12.2690
-12.2629	-12.1194	-12.1184	-12.0777	-12.0442	-12.0401	-11.6996	-11.0601
-11.0589	-10.9323	-10.9313	-10.7762	-10.7755	-10.2033	-10.0869	-9.8020
-9.7941	-9.2873	-9.2822	-9.0340	-8.9776	-8.9334	-8.8666	-8.7826
-8.6713	-8.6711	-8.5810	-8.5802	-8.4029	-8.3824	-8.3808	-8.2746
-8.2537	-8.2431	-8.1566	-8.1500	-8.0688	-8.0665	-8.0347	-8.0178
-7.8232	-7.3845	-7.3836	-7.2983	-7.2977	-7.2354	-7.2123	-7.2105
-7.0270	-7.0261	-7.0210	-7.0169	-6.8319	-6.7474	-6.5510	-6.5502
-6.2154	-5.9682	-5.9606	-5.7804	-5.5481	-5.5434	-5.5428	-5.5202
-5.5164	-5.4271	-5.4250	-5.3437	-5.3330	-5.2280	-5.2258	-5.2246
-5.2227	-5.1511	-5.1499	-5.0316	-4.9902	-4.9886	-4.8830	-4.8815
-3.5556	-3.5543	-3.4796	-3.2229	-3.2168	-3.0922	-2.8918	-1.4100
-1.1166	0.2169	0.2826	0.2865	2.0215	2.0371	2.1587	2.2086
2.3268	2.3281	2.3285	2.5150	2.5204	2.5648	2.5667	2.6953
2.7404	2.7572	2.8089	2.8132	2.9288	2.9340	2.9420	3.2520
3.2669	3.3666						

k = 0.3016-0.5774 0.0000 ( 64820 PWs)      bands (ev):

-21.0895	-21.0854	-21.0511	-21.0497	-21.0132	-20.9880	-19.8526	-19.7399
-19.7389	-19.6173	-19.4723	-19.4708	-18.7774	-18.7764	-18.7369	-18.7355
-18.6466	-18.6451	-18.1042	-18.1019	-18.0319	-18.0305	-17.8909	-17.8894
-17.6483	-17.6467	-17.6066	-17.2067	-15.4854	-15.4767	-15.3933	-14.6983
-14.6971	-14.6585	-14.2250	-14.0739	-12.5794	-12.4002	-12.3948	-12.2655
-12.2593	-12.1183	-12.1173	-12.0856	-12.0840	-12.0815	-11.6991	-11.0335
-11.0323	-10.9308	-10.9298	-10.8061	-10.8054	-10.2059	-10.0483	-9.8213
-9.8134	-9.2656	-9.2601	-9.0554	-8.9709	-8.9423	-8.8818	-8.7557
-8.6518	-8.6517	-8.5948	-8.5940	-8.4381	-8.3760	-8.3744	-8.2896
-8.2324	-8.2216	-8.1536	-8.1471	-8.0569	-8.0551	-8.0528	-8.0399
-7.8569	-7.3670	-7.3661	-7.2981	-7.2975	-7.2287	-7.2269	-7.2075
-7.0380	-7.0332	-7.0133	-7.0129	-6.8582	-6.7217	-6.5647	-6.5639
-6.1806	-5.9823	-5.9747	-5.7475	-5.5573	-5.5567	-5.5240	-5.4992
-5.4936	-5.4225	-5.4198	-5.3525	-5.3417	-5.2590	-5.2541	-5.2049
-5.2041	-5.1457	-5.1445	-5.0167	-5.0151	-5.0111	-4.8925	-4.8911
-3.5490	-3.5477	-3.4890	-3.2116	-3.2055	-3.1083	-2.8903	-1.3809
-1.1454	0.2248	0.2748	0.2788	2.0291	2.0444	2.1413	2.2078
2.3250	2.3263	2.3273	2.5567	2.5626	2.5726	2.5745	2.6776
2.7376	2.7545	2.8167	2.8209	2.8890	2.8941	2.9235	3.2595
3.2742	3.3687						

k = 0.3095-0.5774 0.0000 ( 64832 PWs)      bands (ev):

-21.0839	-21.0798	-21.0463	-21.0450	-21.0260	-20.9988	-19.8340	-19.7496
-19.7487	-19.5935	-19.4849	-19.4834	-18.7631	-18.7621	-18.7329	-18.7315
-18.6650	-18.6635	-18.0809	-18.0786	-18.0265	-18.0251	-17.9209	-17.9194
-17.6441	-17.6425	-17.6131	-17.2059	-15.4704	-15.4615	-15.4040	-14.7038
-14.7024	-14.6694	-14.2050	-14.0899	-12.5844	-12.3632	-12.3577	-12.2619
-12.2557	-12.1270	-12.1229	-12.1168	-12.1158	-12.0903	-11.6988	-11.0066
-11.0054	-10.9292	-10.9282	-10.8358	-10.8351	-10.2079	-10.0099	-9.8405
-9.8326	-9.2448	-9.2388	-9.0835	-8.9641	-8.9442	-8.8966	-8.7289
-8.6328	-8.6326	-8.6085	-8.6077	-8.4733	-8.3694	-8.3679	-8.3044
-8.2112	-8.2002	-8.1505	-8.1441	-8.0795	-8.0631	-8.0403	-8.0384
-7.8906	-7.3495	-7.3486	-7.2978	-7.2972	-7.2454	-7.2436	-7.1795

-7.0527	-7.0478	-7.0015	-7.0010	-6.8844	-6.6959	-6.5783	-6.5775
-6.1459	-5.9971	-5.9894	-5.7148	-5.5717	-5.5711	-5.5009	-5.4801
-5.4722	-5.4180	-5.4138	-5.3597	-5.3490	-5.2902	-5.2842	-5.1844
-5.1835	-5.1402	-5.1390	-5.0432	-5.0416	-4.9908	-4.9022	-4.9008
-3.5428	-3.5415	-3.4984	-3.2011	-3.1951	-3.1242	-2.8891	-1.3515
-1.1744	0.2325	0.2679	0.2721	2.0368	2.0517	2.1243	2.2071
2.3236	2.3249	2.3265	2.5799	2.5819	2.5993	2.6049	2.6608
2.7347	2.7516	2.8247	2.8288	2.8493	2.8543	2.9054	3.2672
3.2814	3.3531						

k = 0.3175-0.5774 0.0000 ( 64832 PWs) bands (ev):

-21.0781	-21.0741	-21.0414	-21.0401	-21.0385	-21.0095	-19.8154	-19.7593
-19.7583	-19.5696	-19.4974	-19.4959	-18.7489	-18.7478	-18.7289	-18.7275
-18.6835	-18.6820	-18.0576	-18.0552	-18.0210	-18.0196	-17.9507	-17.9493
-17.6402	-17.6386	-17.6196	-17.2054	-15.4581	-15.4491	-15.4144	-14.7064
-14.7049	-14.6803	-14.1849	-14.1072	-12.5879	-12.3261	-12.3206	-12.2582
-12.2520	-12.1683	-12.1642	-12.1148	-12.1138	-12.0966	-11.6985	-10.9795
-10.9783	-10.9277	-10.9267	-10.8655	-10.8648	-10.2093	-9.9717	-9.8596
-9.8518	-9.2250	-9.2184	-9.1152	-8.9571	-8.9422	-8.9111	-8.7021
-8.6221	-8.6214	-8.6142	-8.6140	-8.5084	-8.3627	-8.3612	-8.3191
-8.1902	-8.1789	-8.1471	-8.1409	-8.1026	-8.0862	-8.0253	-8.0233
-7.9244	-7.3320	-7.3311	-7.2975	-7.2969	-7.2624	-7.2606	-7.1513
-7.0673	-7.0624	-6.9892	-6.9887	-6.9107	-6.6700	-6.5917	-6.5909
-6.1115	-6.0125	-6.0048	-5.6822	-5.5865	-5.5860	-5.4795	-5.4648
-5.4541	-5.4122	-5.4060	-5.3646	-5.3540	-5.3212	-5.3126	-5.1638
-5.1629	-5.1345	-5.1333	-5.0698	-5.0681	-4.9706	-4.9119	-4.9105
-3.5370	-3.5358	-3.5078	-3.1915	-3.1855	-3.1399	-2.8882	-1.3221
-1.2037	0.2399	0.2620	0.2664	2.0447	2.0587	2.1080	2.2065
2.3228	2.3240	2.3256	2.5880	2.5899	2.6320	2.6455	2.6547
2.7317	2.7486	2.8095	2.8145	2.8329	2.8371	2.8875	3.2750
3.2885	3.3370						

k = 0.3254-0.5774 0.0000 ( 64802 PWs) bands (ev):

-21.0723	-21.0683	-21.0508	-21.0364	-21.0351	-21.0201	-19.7967	-19.7688
-19.7679	-19.5456	-19.5097	-19.5082	-18.7347	-18.7336	-18.7247	-18.7233
-18.7019	-18.7004	-18.0341	-18.0317	-18.0154	-18.0139	-17.9805	-17.9790
-17.6366	-17.6350	-17.6259	-17.2051	-15.4487	-15.4396	-15.4245	-14.7059
-14.7043	-14.6910	-14.1648	-14.1257	-12.5899	-12.2889	-12.2834	-12.2545
-12.2483	-12.2096	-12.2055	-12.1124	-12.1114	-12.1028	-11.6984	-10.9522
-10.9510	-10.9261	-10.9251	-10.8950	-10.8943	-10.2102	-9.9336	-9.8786
-9.8708	-9.2065	-9.1990	-9.1485	-8.9501	-8.9382	-8.9249	-8.6754
-8.6356	-8.6349	-8.5961	-8.5959	-8.5434	-8.3559	-8.3543	-8.3336
-8.1701	-8.1582	-8.1430	-8.1374	-8.1260	-8.1098	-8.0095	-8.0075
-7.9581	-7.3145	-7.3136	-7.2971	-7.2966	-7.2797	-7.2780	-7.1230
-7.0818	-7.0769	-6.9765	-6.9760	-6.9370	-6.6440	-6.6050	-6.6042
-6.0775	-6.0285	-6.0207	-5.6498	-5.6019	-5.6014	-5.4622	-5.4552
-5.4438	-5.4014	-5.3952	-5.3665	-5.3562	-5.3516	-5.3376	-5.1433
-5.1424	-5.1287	-5.1274	-5.0963	-5.0947	-4.9507	-4.9217	-4.9203
-3.5318	-3.5305	-3.5170	-3.1827	-3.1767	-3.1552	-2.8877	-1.2924
-1.2332	0.2468	0.2572	0.2618	2.0524	2.0643	2.0939	2.2062
2.3224	2.3237	2.3247	2.5962	2.5981	2.6220	2.6861	2.6916
2.7286	2.7455	2.7701	2.7752	2.8412	2.8452	2.8700	3.2827
3.2942	3.3227						

k = 0.3333-0.5774 0.0000 ( 64770 PWs) bands (ev):

-21.0680	-21.0637	-21.0599	-21.0317	-21.0305	-21.0296	-19.7788	-19.7777
-19.7771	-19.5227	-19.5210	-19.5200	-18.7213	-18.7207	-18.7203	-18.7196
-18.7191	-18.7176	-18.0114	-18.0103	-18.0098	-18.0084	-18.0079	-18.0071
-17.6337	-17.6324	-17.6312	-17.2049	-15.4430	-15.4356	-15.4312	-14.7024

-14.7016	-14.7005	-14.1484	-14.1415	-12.5906	-12.2536	-12.2512	-12.2497
-12.2491	-12.2456	-12.2411	-12.1099	-12.1088	-12.1084	-11.6984	-10.9253
-10.9246	-10.9243	-10.9240	-10.9234	-10.9223	-10.2105	-9.8982	-9.8955
-9.8893	-9.1938	-9.1829	-9.1756	-8.9441	-8.9388	-8.9314	-8.6491
-8.6488	-8.6480	-8.5787	-8.5784	-8.5780	-8.3495	-8.3473	-8.3472
-8.1534	-8.1506	-8.1411	-8.1358	-8.1331	-8.1300	-7.9932	-7.9919
-7.9909	-7.2981	-7.2975	-7.2968	-7.2962	-7.2954	-7.2952	-7.0968
-7.0946	-7.0905	-6.9642	-6.9633	-6.9623	-6.6187	-6.6177	-6.6170
-6.0471	-6.0430	-6.0359	-5.6179	-5.6175	-5.6171	-5.4554	-5.4503
-5.4425	-5.3862	-5.3844	-5.3803	-5.3641	-5.3546	-5.3521	-5.1234
-5.1231	-5.1229	-5.1218	-5.1214	-5.1202	-4.9320	-4.9305	-4.9300
-3.5274	-3.5262	-3.5253	-3.1761	-3.1711	-3.1667	-2.8875	-1.2643
-1.2613	0.2509	0.2548	0.2593	2.0573	2.0657	2.0872	2.2061
2.3224	2.3238	2.3241	2.6033	2.6059	2.6073	2.7218	2.7252
2.7265	2.7365	2.7412	2.7453	2.8487	2.8510	2.8564	3.2876
3.2958	3.3159						

k = 0.3294-0.5705 0.0000 ( 64806 PWs) bands (ev):

-21.0766	-21.0604	-21.0544	-21.0409	-21.0260	-21.0246	-19.7874	-19.7870
-19.7590	-19.5337	-19.5326	-19.4973	-18.7392	-18.7376	-18.7162	-18.7147
-18.7057	-18.7053	-18.0403	-18.0382	-18.0035	-18.0015	-17.9864	-17.9846
-17.6389	-17.6302	-17.6285	-17.2051	-15.4454	-15.4373	-15.4299	-14.7128
-14.6949	-14.6937	-14.1686	-14.1219	-12.5899	-12.2928	-12.2898	-12.2460
-12.2391	-12.2135	-12.2089	-12.1152	-12.1062	-12.1052	-11.6984	-10.9534
-10.9530	-10.9229	-10.9218	-10.8969	-10.8955	-10.2102	-9.9150	-9.9087
-9.8593	-9.2219	-9.1688	-9.1620	-8.9560	-8.9327	-8.9257	-8.6623
-8.6615	-8.6220	-8.6132	-8.5612	-8.5610	-8.3622	-8.3415	-8.3400
-8.1776	-8.1601	-8.1415	-8.1340	-8.1186	-8.1128	-8.0264	-7.9751
-7.9740	-7.3156	-7.3137	-7.2964	-7.2959	-7.2795	-7.2785	-7.1093
-7.1061	-7.0663	-6.9895	-6.9501	-6.9499	-6.6310	-6.6307	-6.5916
-6.0625	-6.0543	-6.0105	-5.6341	-5.6335	-5.5855	-5.4593	-5.4540
-5.4465	-5.4132	-5.3763	-5.3708	-5.3567	-5.3497	-5.3426	-5.1496
-5.1480	-5.1168	-5.1155	-5.1016	-5.1013	-4.9415	-4.9401	-4.9111
-3.5355	-3.5226	-3.5212	-3.1863	-3.1672	-3.1611	-2.8877	-1.2940
-1.2316	0.2490	0.2546	0.2622	2.0479	2.0723	2.0903	2.2062
2.3221	2.3239	2.3248	2.5886	2.6132	2.6146	2.6895	2.6929
2.7221	2.7406	2.7734	2.7785	2.8344	2.8591	2.8631	3.2781
3.3024	3.3191						

k = 0.3254-0.5636 0.0000 ( 64824 PWs) bands (ev):

-21.0886	-21.0541	-21.0512	-21.0481	-21.0207	-21.0192	-19.7967	-19.7963
-19.7400	-19.5456	-19.5445	-19.4729	-18.7578	-18.7562	-18.7117	-18.7102
-18.6914	-18.6911	-18.0697	-18.0676	-17.9974	-17.9954	-17.9625	-17.9607
-17.6451	-17.6275	-17.6258	-17.2054	-15.4547	-15.4371	-15.4293	-14.7232
-14.6850	-14.6838	-14.1907	-14.1014	-12.5880	-12.3340	-12.3309	-12.2420
-12.2351	-12.1761	-12.1715	-12.1212	-12.1025	-12.1015	-11.6985	-10.9825
-10.9821	-10.9213	-10.9201	-10.8689	-10.8675	-10.2093	-9.9338	-9.9275
-9.8218	-9.2570	-9.1533	-9.1450	-8.9690	-8.9252	-8.9191	-8.6755
-8.6747	-8.6480	-8.5954	-8.5445	-8.5442	-8.3762	-8.3341	-8.3326
-8.2025	-8.1851	-8.1371	-8.1304	-8.0989	-8.0921	-8.0601	-7.9573
-7.9562	-7.3339	-7.3320	-7.2960	-7.2955	-7.2621	-7.2610	-7.1233
-7.1200	-7.0378	-7.0156	-6.9366	-6.9363	-6.6439	-6.6435	-6.5652
-6.0805	-6.0722	-5.9775	-5.6508	-5.6503	-5.5536	-5.4768	-5.4614
-5.4536	-5.4433	-5.3690	-5.3633	-5.3449	-5.3307	-5.3245	-5.1762
-5.1746	-5.1105	-5.1092	-5.0811	-5.0807	-4.9514	-4.9500	-4.8916
-3.5446	-3.5187	-3.5173	-3.2010	-3.1610	-3.1548	-2.8882	-1.3242
-1.2015	0.2470	0.2529	0.2685	2.0334	2.0807	2.0973	2.2066
2.3211	2.3251	2.3261	2.5720	2.6205	2.6220	2.6519	2.6546
2.7186	2.7372	2.8152	2.8181	2.8217	2.8681	2.8719	3.2636
3.3107	3.3261						

k = 0.3214-0.5567 0.0000 ( 64846 PWs) bands (ev):

-21.1005	-21.0613	-21.0476	-21.0416	-21.0152	-21.0137	-19.8059	-19.8054
-19.7210	-19.5573	-19.5562	-19.4483	-18.7764	-18.7748	-18.7072	-18.7057
-18.6772	-18.6769	-18.0990	-18.0968	-17.9912	-17.9892	-17.9385	-17.9367
-17.6514	-17.6250	-17.6233	-17.2060	-15.4645	-15.4392	-15.4314	-14.7335
-14.6721	-14.6708	-14.2139	-14.0807	-12.5847	-12.3751	-12.3721	-12.2379
-12.2309	-12.1385	-12.1339	-12.1273	-12.0984	-12.0973	-11.6987	-11.0114
-11.0110	-10.9196	-10.9184	-10.8407	-10.8393	-10.2080	-9.9525	-9.9462
-9.7844	-9.2927	-9.1388	-9.1287	-8.9816	-8.9174	-8.9119	-8.6886
-8.6878	-8.6827	-8.5689	-8.5281	-8.5279	-8.3901	-8.3266	-8.3251
-8.2279	-8.2105	-8.1337	-8.1273	-8.0940	-8.0781	-8.0708	-7.9389
-7.9377	-7.3526	-7.3507	-7.2956	-7.2951	-7.2446	-7.2435	-7.1372
-7.1339	-7.0424	-7.0084	-6.9227	-6.9224	-6.6566	-6.6563	-6.5388
-6.0992	-6.0908	-5.9450	-5.6681	-5.6676	-5.5220	-5.5017	-5.4751
-5.4685	-5.4620	-5.3623	-5.3568	-5.3273	-5.3084	-5.3032	-5.2029
-5.2013	-5.1042	-5.1029	-5.0605	-5.0602	-4.9613	-4.9600	-4.8723
-3.5536	-3.5153	-3.5138	-3.2158	-3.1554	-3.1493	-2.8891	-1.3547
-1.1712	0.2458	0.2520	0.2749	2.0178	2.0895	2.1055	2.2071
2.3200	2.3269	2.3279	2.5554	2.6065	2.6106	2.6348	2.6361
2.7150	2.7336	2.8005	2.8595	2.8646	2.8774	2.8811	3.2481
3.3195	3.3341						

k = 0.3175-0.5499 0.0000 ( 64838 PWs) bands (ev):

-21.1123	-21.0712	-21.0409	-21.0349	-21.0095	-21.0081	-19.8149	-19.8145
-19.7019	-19.5689	-19.5679	-19.4236	-18.7951	-18.7935	-18.7026	-18.7010
-18.6631	-18.6627	-18.1281	-18.1259	-17.9849	-17.9829	-17.9143	-17.9125
-17.6576	-17.6229	-17.6211	-17.2068	-15.4743	-15.4438	-15.4361	-14.7437
-14.6563	-14.6551	-14.2381	-14.0599	-12.5803	-12.4162	-12.4132	-12.2337
-12.2267	-12.1332	-12.1008	-12.0962	-12.0938	-12.0927	-11.6989	-11.0401
-11.0398	-10.9179	-10.9167	-10.8123	-10.8109	-10.2060	-9.9711	-9.9649
-9.7471	-9.3287	-9.1258	-9.1131	-8.9932	-8.9095	-8.9043	-8.7173
-8.7015	-8.7007	-8.5424	-8.5122	-8.5120	-8.4038	-8.3189	-8.3174
-8.2537	-8.2364	-8.1314	-8.1277	-8.1236	-8.0571	-8.0495	-7.9198
-7.9186	-7.3716	-7.3696	-7.2951	-7.2947	-7.2271	-7.2260	-7.1509
-7.1476	-7.0685	-6.9795	-6.9085	-6.9083	-6.6692	-6.6689	-6.5122
-6.1185	-6.1100	-5.9131	-5.6858	-5.6854	-5.5297	-5.5036	-5.4904
-5.4791	-5.4717	-5.3553	-5.3502	-5.3071	-5.2850	-5.2806	-5.2295
-5.2279	-5.0977	-5.0964	-5.0399	-5.0396	-4.9713	-4.9701	-4.8531
-3.5626	-3.5122	-3.5108	-3.2305	-3.1506	-3.1446	-2.8904	-1.3854
-1.1407	0.2454	0.2519	0.2813	2.0020	2.0986	2.1143	2.2079
2.3189	2.3293	2.3303	2.5389	2.5691	2.5729	2.6421	2.6435
2.7113	2.7300	2.7839	2.8866	2.8904	2.9031	2.9082	3.2323
3.3285	3.3394						

k = 0.3135-0.5430 0.0000 ( 64840 PWs) bands (ev):

-21.1240	-21.0811	-21.0341	-21.0281	-21.0038	-21.0023	-19.8239	-19.8235
-19.6828	-19.5804	-19.5793	-19.3987	-18.8137	-18.8121	-18.6978	-18.6963
-18.6489	-18.6486	-18.1572	-18.1549	-17.9784	-17.9764	-17.8901	-17.8882
-17.6638	-17.6210	-17.6192	-17.2078	-15.4840	-15.4509	-15.4433	-14.7538
-14.6380	-14.6366	-14.2633	-14.0389	-12.5747	-12.4573	-12.4543	-12.2295
-12.2225	-12.1391	-12.0888	-12.0877	-12.0630	-12.0583	-11.6991	-11.0688
-11.0684	-10.9162	-10.9150	-10.7836	-10.7823	-10.2036	-9.9897	-9.9834
-9.7101	-9.3648	-9.1147	-9.0983	-9.0035	-8.9014	-8.8965	-8.7519
-8.7144	-8.7136	-8.5160	-8.4968	-8.4965	-8.4174	-8.3110	-8.3095
-8.2800	-8.2628	-8.1619	-8.1274	-8.1212	-8.0359	-8.0282	-7.9001
-7.8989	-7.3908	-7.3889	-7.2947	-7.2942	-7.2096	-7.2085	-7.1644
-7.1611	-7.0947	-6.9503	-6.8941	-6.8939	-6.6817	-6.6813	-6.4856
-6.1385	-6.1299	-5.8822	-5.7040	-5.7036	-5.5590	-5.5322	-5.4895

-5.4819	-5.4591	-5.3481	-5.3433	-5.2860	-5.2612	-5.2577	-5.2556
-5.2541	-5.0911	-5.0898	-5.0194	-5.0190	-4.9813	-4.9801	-4.8342
-3.5715	-3.5097	-3.5082	-3.2450	-3.1466	-3.1406	-2.8921	-1.4163
-1.1101	0.2461	0.2527	0.2875	1.9861	2.1079	2.1234	2.2091
2.3176	2.3322	2.3332	2.5220	2.5308	2.5339	2.6511	2.6525
2.7075	2.7262	2.7674	2.8963	2.9000	2.9466	2.9519	3.2166
3.3252	3.3381						

k = 0.3095-0.5361 0.0000 ( 64836 PWs) bands (ev):

-21.1355	-21.0908	-21.0271	-21.0211	-20.9979	-20.9964	-19.8327	-19.8323
-19.6636	-19.5917	-19.5907	-19.3738	-18.8324	-18.8308	-18.6930	-18.6914
-18.6348	-18.6345	-18.1861	-18.1838	-17.9718	-17.9698	-17.8657	-17.8638
-17.6699	-17.6194	-17.6176	-17.2091	-15.4936	-15.4601	-15.4527	-14.7638
-14.6173	-14.6158	-14.2894	-14.0178	-12.5681	-12.4984	-12.4954	-12.2252
-12.2181	-12.1450	-12.0833	-12.0823	-12.0251	-12.0204	-11.6993	-11.0972
-11.0969	-10.9144	-10.9133	-10.7548	-10.7535	-10.2006	-10.0081	-10.0019
-9.6733	-9.4011	-9.1063	-9.0842	-9.0118	-8.8931	-8.8884	-8.7863
-8.7271	-8.7263	-8.4897	-8.4818	-8.4815	-8.4307	-8.3066	-8.3029
-8.3014	-8.2895	-8.1956	-8.1245	-8.1184	-8.0147	-8.0069	-7.8799
-7.8786	-7.4103	-7.4084	-7.2942	-7.2937	-7.1920	-7.1910	-7.1778
-7.1745	-7.1210	-6.9210	-6.8794	-6.8792	-6.6940	-6.6936	-6.4588
-6.1590	-6.1504	-5.8527	-5.7227	-5.7223	-5.5890	-5.5597	-5.5002
-5.4925	-5.4280	-5.3407	-5.3360	-5.2838	-5.2818	-5.2621	-5.2368
-5.2334	-5.0843	-5.0830	-4.9988	-4.9985	-4.9914	-4.9902	-4.8154
-3.5803	-3.5075	-3.5061	-3.2593	-3.1435	-3.1375	-2.8941	-1.4475
-1.0792	0.2476	0.2545	0.2936	1.9704	2.1174	2.1327	2.2105
2.3164	2.3356	2.3367	2.4903	2.4944	2.5077	2.6606	2.6618
2.7036	2.7224	2.7512	2.9062	2.9099	2.9903	2.9957	3.2011
3.3093	3.3475						

k = 0.3056-0.5292 0.0000 ( 64844 PWs) bands (ev):

-21.1469	-21.1005	-21.0200	-21.0140	-20.9919	-20.9905	-19.8415	-19.8411
-19.6443	-19.6029	-19.6019	-19.3486	-18.8511	-18.8495	-18.6881	-18.6865
-18.6207	-18.6203	-18.2149	-18.2125	-17.9650	-17.9630	-17.8411	-17.8393
-17.6760	-17.6180	-17.6163	-17.2106	-15.5031	-15.4712	-15.4640	-14.7737
-14.5945	-14.5929	-14.3164	-13.9967	-12.5606	-12.5392	-12.5363	-12.2208
-12.2137	-12.1508	-12.0775	-12.0764	-11.9871	-11.9824	-11.6996	-11.1255
-11.1251	-10.9127	-10.9116	-10.7258	-10.7244	-10.1972	-10.0265	-10.0203
-9.6367	-9.4373	-9.1015	-9.0708	-9.0170	-8.8846	-8.8801	-8.8207
-8.7397	-8.7389	-8.4673	-8.4670	-8.4634	-8.4440	-8.3337	-8.3167
-8.2947	-8.2932	-8.2294	-8.1216	-8.1155	-7.9934	-7.9856	-7.8591
-7.8578	-7.4302	-7.4282	-7.2937	-7.2932	-7.1910	-7.1877	-7.1745
-7.1735	-7.1472	-6.8915	-6.8645	-6.8642	-6.7061	-6.7058	-6.4319
-6.1802	-6.1715	-5.8253	-5.7419	-5.7414	-5.6193	-5.5851	-5.5112
-5.5034	-5.3971	-5.3330	-5.3285	-5.3100	-5.3083	-5.2406	-5.2124
-5.2093	-5.0774	-5.0761	-5.0014	-5.0003	-4.9783	-4.9780	-4.7968
-3.5890	-3.5059	-3.5044	-3.2734	-3.1412	-3.1352	-2.8965	-1.4789
-1.0483	0.2501	0.2571	0.2995	1.9548	2.1270	2.1423	2.2122
2.3150	2.3396	2.3406	2.4514	2.4552	2.4915	2.6702	2.6712
2.6998	2.7185	2.7351	2.9162	2.9199	3.0342	3.0397	3.1856
3.2934	3.3572						

k = 0.3016-0.5224 0.0000 ( 64832 PWs) bands (ev):

-21.1581	-21.1100	-21.0127	-21.0068	-20.9858	-20.9843	-19.8502	-19.8497
-19.6249	-19.6140	-19.6129	-19.3234	-18.8699	-18.8683	-18.6830	-18.6815
-18.6066	-18.6063	-18.2435	-18.2411	-17.9581	-17.9561	-17.8165	-17.8146
-17.6821	-17.6170	-17.6153	-17.2124	-15.5125	-15.4840	-15.4770	-14.7834
-14.5697	-14.5680	-14.3442	-13.9754	-12.5804	-12.5775	-12.5513	-12.2163
-12.2092	-12.1566	-12.0712	-12.0702	-11.9490	-11.9443	-11.6998	-11.1536

-11.1532	-10.9109	-10.9098	-10.6966	-10.6952	-10.1932	-10.0448	-10.0386
-9.6003	-9.4736	-9.1009	-9.0581	-9.0184	-8.8760	-8.8716	-8.8549
-8.7522	-8.7514	-8.4570	-8.4531	-8.4528	-8.4374	-8.3612	-8.3442
-8.2864	-8.2849	-8.2631	-8.1188	-8.1127	-7.9722	-7.9643	-7.8378
-7.8364	-7.4502	-7.4483	-7.2932	-7.2927	-7.2041	-7.2008	-7.1735
-7.1570	-7.1559	-6.8619	-6.8492	-6.8490	-6.7182	-6.7178	-6.4050
-6.2020	-6.1932	-5.8019	-5.7615	-5.7610	-5.6499	-5.6067	-5.5222
-5.5144	-5.3664	-5.3366	-5.3349	-5.3250	-5.3207	-5.2184	-5.1878
-5.1850	-5.0704	-5.0691	-5.0115	-5.0104	-4.9578	-4.9575	-4.7784
-3.5977	-3.5046	-3.5031	-3.2874	-3.1396	-3.1338	-2.8993	-1.5105
-1.0171	0.2535	0.2607	0.3052	1.9394	2.1369	2.1520	2.2141
2.3136	2.3440	2.3451	2.4125	2.4161	2.4759	2.6795	2.6806
2.6965	2.7146	2.7193	2.9265	2.9302	3.0781	3.0838	3.1703
3.2777	3.3671						

k = 0.2976-0.5155 0.0000 ( 64828 PWs) bands (ev):

-21.1692	-21.1194	-21.0053	-20.9993	-20.9796	-20.9781	-19.8587	-19.8583
-19.6249	-19.6238	-19.6055	-19.2980	-18.8886	-18.8870	-18.6779	-18.6764
-18.5926	-18.5923	-18.2720	-18.2696	-17.9511	-17.9491	-17.7917	-17.7898
-17.6881	-17.6162	-17.6145	-17.2144	-15.5218	-15.4983	-15.4915	-14.7931
-14.5434	-14.5414	-14.3728	-13.9539	-12.6213	-12.6183	-12.5418	-12.2117
-12.2046	-12.1623	-12.0646	-12.0635	-11.9109	-11.9061	-11.7000	-11.1815
-11.1811	-10.9092	-10.9081	-10.6671	-10.6658	-10.1887	-10.0629	-10.0568
-9.5641	-9.5098	-9.1046	-9.0461	-9.0162	-8.8891	-8.8672	-8.8629
-8.7646	-8.7638	-8.4699	-8.4394	-8.4391	-8.4114	-8.3890	-8.3722
-8.2973	-8.2776	-8.2761	-8.1160	-8.1098	-7.9510	-7.9430	-7.8159
-7.8145	-7.4706	-7.4687	-7.2926	-7.2921	-7.2170	-7.2137	-7.1996
-7.1395	-7.1384	-6.8338	-6.8335	-6.8322	-6.7300	-6.7297	-6.3779
-6.2244	-6.2155	-5.7853	-5.7815	-5.7811	-5.6805	-5.6216	-5.5334
-5.5255	-5.3632	-5.3616	-5.3359	-5.3169	-5.3126	-5.1962	-5.1632
-5.1606	-5.0632	-5.0619	-5.0216	-5.0206	-4.9374	-4.9371	-4.7601
-3.6063	-3.5038	-3.5023	-3.3012	-3.1389	-3.1331	-2.9025	-1.5423
-0.9858	0.2577	0.2652	0.3108	1.9241	2.1468	2.1619	2.2164
2.3122	2.3488	2.3498	2.3740	2.3774	2.4604	2.6853	2.6900
2.6966	2.7036	2.7110	2.9369	2.9406	3.1222	3.1280	3.1552
3.2622	3.3773						

k = 0.2936-0.5086 0.0000 ( 64836 PWs) bands (ev):

-21.1802	-21.1286	-20.9978	-20.9918	-20.9732	-20.9718	-19.8672	-19.8667
-19.6356	-19.6346	-19.5860	-19.2725	-18.9073	-18.9057	-18.6727	-18.6711
-18.5786	-18.5783	-18.3005	-18.2980	-17.9439	-17.9419	-17.7668	-17.7649
-17.6940	-17.6157	-17.6140	-17.2167	-15.5311	-15.5138	-15.5072	-14.8026
-14.5155	-14.5134	-14.4021	-13.9324	-12.6621	-12.6592	-12.5313	-12.2071
-12.1999	-12.1679	-12.0575	-12.0564	-11.8726	-11.8678	-11.7002	-11.2092
-11.2089	-10.9074	-10.9063	-10.6375	-10.6361	-10.1838	-10.0810	-10.0749
-9.5461	-9.5282	-9.1114	-9.0348	-9.0113	-8.9232	-8.8582	-8.8541
-8.7769	-8.7761	-8.4826	-8.4261	-8.4258	-8.4173	-8.4005	-8.3856
-8.3310	-8.2690	-8.2674	-8.1132	-8.1070	-7.9298	-7.9218	-7.7936
-7.7921	-7.4912	-7.4893	-7.2921	-7.2916	-7.2297	-7.2264	-7.2258
-7.1220	-7.1209	-6.8181	-6.8179	-6.8023	-6.7418	-6.7414	-6.3508
-6.2474	-6.2383	-5.8021	-5.8016	-5.7798	-5.7112	-5.6257	-5.5446
-5.5367	-5.3899	-5.3882	-5.3085	-5.3057	-5.3044	-5.1741	-5.1385
-5.1360	-5.0559	-5.0546	-5.0318	-5.0307	-4.9170	-4.9167	-4.7421
-3.6149	-3.5034	-3.5019	-3.3148	-3.1390	-3.1332	-2.9061	-1.5743
-0.9544	0.2629	0.2706	0.3162	1.9090	2.1569	2.1718	2.2188
2.3107	2.3347	2.3375	2.3551	2.3563	2.4452	2.6837	2.6881
2.6976	2.7035	2.7099	2.9476	2.9512	3.1403	3.1664	3.1723
3.2469	3.3876						

k = 0.2897-0.5017 0.0000 ( 64852 PWs) bands (ev):

-21.1910	-21.1378	-20.9900	-20.9841	-20.9667	-20.9653	-19.8755	-19.8751
-19.6462	-19.6452	-19.5665	-19.2468	-18.9261	-18.9245	-18.6674	-18.6658
-18.5646	-18.5643	-18.3287	-18.3262	-17.9366	-17.9346	-17.7417	-17.7398
-17.6999	-17.6155	-17.6138	-17.2193	-15.5405	-15.5302	-15.5241	-14.8120
-14.4864	-14.4841	-14.4320	-13.9107	-12.7028	-12.6999	-12.5199	-12.2024
-12.1952	-12.1735	-12.0500	-12.0490	-11.8343	-11.8295	-11.7004	-11.2367
-11.2364	-10.9056	-10.9045	-10.6077	-10.6063	-10.1784	-10.0990	-10.0930
-9.5823	-9.4925	-9.1203	-9.0240	-9.0048	-8.9572	-8.8491	-8.8452
-8.7890	-8.7882	-8.4952	-8.4459	-8.4292	-8.4133	-8.4130	-8.3647
-8.3599	-8.2601	-8.2586	-8.1104	-8.1042	-7.9087	-7.9006	-7.7709
-7.7693	-7.5120	-7.5101	-7.2915	-7.2911	-7.2520	-7.2422	-7.2389
-7.1045	-7.1034	-6.8022	-6.8020	-6.7724	-6.7533	-6.7530	-6.3235
-6.2710	-6.2618	-5.8231	-5.8226	-5.7870	-5.7419	-5.6171	-5.5559
-5.5479	-5.4166	-5.4149	-5.2999	-5.2959	-5.2756	-5.1520	-5.1137
-5.1114	-5.0485	-5.0472	-5.0419	-5.0409	-4.8966	-4.8963	-4.7241
-3.6233	-3.5035	-3.5020	-3.3282	-3.1398	-3.1341	-2.9102	-1.6065
-0.9228	0.2690	0.2769	0.3214	1.8941	2.1668	2.1815	2.2216
2.2969	2.2996	2.3092	2.3607	2.3618	2.4302	2.6729	2.6797
2.6977	2.7131	2.7161	2.9585	2.9621	3.1255	3.2103	3.2164
3.2322	3.3981						

k = 0.2857-0.4949 0.0000 ( 64842 PWs) bands (ev):

-21.2017	-21.1468	-20.9822	-20.9762	-20.9601	-20.9587	-19.8838	-19.8833
-19.6567	-19.6557	-19.5469	-19.2211	-18.9448	-18.9432	-18.6620	-18.6604
-18.5507	-18.5504	-18.3569	-18.3543	-17.9292	-17.9271	-17.7166	-17.7147
-17.7057	-17.6156	-17.6138	-17.2221	-15.5516	-15.5462	-15.5415	-14.8213
-14.4627	-14.4561	-14.4535	-13.8890	-12.7435	-12.7407	-12.5078	-12.1976
-12.1904	-12.1790	-12.0421	-12.0411	-11.7959	-11.7910	-11.7004	-11.2641
-11.2637	-10.9039	-10.9027	-10.5777	-10.5763	-10.1725	-10.1169	-10.1109
-9.6185	-9.4570	-9.1303	-9.0139	-8.9975	-8.9911	-8.8398	-8.8361
-8.8010	-8.8002	-8.5076	-8.4748	-8.4583	-8.4008	-8.4005	-8.3985
-8.3343	-8.2510	-8.2495	-8.1076	-8.1014	-7.8875	-7.8794	-7.7478
-7.7462	-7.5330	-7.5311	-7.2909	-7.2905	-7.2781	-7.2546	-7.2513
-7.0870	-7.0859	-6.7861	-6.7859	-6.7648	-6.7644	-6.7423	-6.2963
-6.2951	-6.2857	-5.8445	-5.8440	-5.8039	-5.7726	-5.5991	-5.5671
-5.5591	-5.4432	-5.4415	-5.2912	-5.2873	-5.2458	-5.1302	-5.0889
-5.0868	-5.0521	-5.0511	-5.0409	-5.0396	-4.8763	-4.8760	-4.7065
-3.6317	-3.5039	-3.5024	-3.3415	-3.1414	-3.1358	-2.9146	-1.6390
-0.8910	0.2759	0.2840	0.3265	1.8794	2.1761	2.1903	2.2248
2.2601	2.2623	2.3076	2.3671	2.3682	2.4154	2.6578	2.6752
2.6940	2.7236	2.7260	2.9696	2.9731	3.1110	3.2163	3.2551
3.2613	3.4088						

k = 0.2817-0.4880 0.0000 ( 64834 PWs) bands (ev):

-21.2122	-21.1557	-20.9742	-20.9683	-20.9534	-20.9520	-19.8919	-19.8915
-19.6671	-19.6660	-19.5272	-19.1951	-18.9636	-18.9620	-18.6565	-18.6550
-18.5369	-18.5366	-18.3849	-18.3823	-17.9216	-17.9195	-17.7115	-17.6913
-17.6894	-17.6159	-17.6142	-17.2251	-15.5680	-15.5615	-15.5557	-14.8305
-14.4938	-14.4248	-14.4221	-13.8671	-12.7842	-12.7813	-12.4948	-12.1928
-12.1855	-12.1845	-12.0339	-12.0328	-11.7574	-11.7525	-11.7004	-11.2912
-11.2909	-10.9021	-10.9009	-10.5475	-10.5462	-10.1662	-10.1347	-10.1288
-9.6546	-9.4218	-9.1410	-9.0249	-9.0043	-8.9900	-8.8304	-8.8268
-8.8129	-8.8121	-8.5198	-8.5042	-8.4877	-8.4322	-8.3887	-8.3884
-8.3088	-8.2418	-8.2403	-8.1048	-8.0986	-7.8665	-7.8582	-7.7242
-7.7226	-7.5544	-7.5525	-7.3044	-7.2903	-7.2898	-7.2668	-7.2635
-7.0695	-7.0684	-6.7761	-6.7757	-6.7698	-6.7695	-6.7121	-6.3198
-6.3104	-6.2687	-5.8664	-5.8659	-5.8265	-5.8033	-5.5793	-5.5749
-5.5700	-5.4698	-5.4681	-5.2822	-5.2784	-5.2162	-5.1085	-5.0641
-5.0623	-5.0620	-5.0613	-5.0332	-5.0319	-4.8560	-4.8557	-4.6890

-3.6399	-3.5048	-3.5033	-3.3545	-3.1438	-3.1383	-2.9194	-1.6716
-0.8591	0.2837	0.2920	0.3315	1.8649	2.1818	2.1937	2.2250
2.2297	2.2313	2.3061	2.3740	2.3751	2.4008	2.6430	2.6703
2.6895	2.7345	2.7367	2.9808	2.9844	3.0967	3.2017	3.2994
3.3058	3.4198						

k = 0.2778-0.4811 0.0000 ( 64838 PWs)      bands (ev):

-21.2226	-21.1645	-20.9660	-20.9601	-20.9466	-20.9451	-19.8999	-19.8995
-19.6772	-19.6762	-19.5075	-19.1691	-18.9823	-18.9807	-18.6509	-18.6494
-18.5231	-18.5228	-18.4128	-18.4102	-17.9139	-17.9118	-17.7173	-17.6659
-17.6639	-17.6165	-17.6148	-17.2284	-15.5869	-15.5805	-15.5651	-14.8396
-14.5254	-14.3927	-14.3898	-13.8451	-12.8248	-12.8219	-12.4812	-12.1899
-12.1878	-12.1806	-12.0253	-12.0242	-11.7188	-11.7139	-11.7003	-11.3181
-11.3178	-10.9003	-10.8991	-10.5172	-10.5158	-10.1594	-10.1524	-10.1465
-9.6907	-9.3869	-9.1521	-9.0586	-8.9952	-8.9825	-8.8246	-8.8239
-8.8208	-8.8175	-8.5338	-8.5318	-8.5175	-8.4658	-8.3771	-8.3768
-8.2835	-8.2324	-8.2309	-8.1021	-8.0959	-7.8454	-7.8371	-7.7004
-7.6987	-7.5759	-7.5740	-7.3305	-7.2897	-7.2892	-7.2789	-7.2755
-7.0520	-7.0510	-6.7872	-6.7868	-6.7533	-6.7531	-6.6818	-6.3451
-6.3355	-6.2412	-5.8887	-5.8881	-5.8520	-5.8339	-5.5898	-5.5816
-5.5492	-5.4964	-5.4944	-5.2731	-5.2694	-5.1868	-5.0871	-5.0725
-5.0715	-5.0393	-5.0373	-5.0253	-5.0240	-4.8358	-4.8355	-4.6717
-3.6481	-3.5061	-3.5046	-3.3674	-3.1470	-3.1415	-2.9247	-1.7044
-0.8270	0.2923	0.3009	0.3363	1.8506	2.1677	2.1745	2.2115
2.2245	2.2323	2.3044	2.3814	2.3824	2.3864	2.6284	2.6653
2.6846	2.7457	2.7478	2.9923	2.9958	3.0826	3.1872	3.3436
3.3503	3.4309						

k = 0.2738-0.4743 0.0000 ( 64838 PWs)      bands (ev):

-21.2328	-21.1732	-20.9577	-20.9518	-20.9396	-20.9382	-19.9079	-19.9074
-19.6873	-19.6863	-19.4877	-19.1429	-19.0010	-18.9994	-18.6453	-18.6437
-18.5094	-18.5090	-18.4406	-18.4379	-17.9060	-17.9039	-17.7229	-17.6404
-17.6384	-17.6173	-17.6156	-17.2320	-15.6065	-15.6003	-15.5738	-14.8486
-14.5576	-14.3598	-14.3567	-13.8229	-12.8653	-12.8625	-12.4669	-12.1952
-12.1828	-12.1756	-12.0163	-12.0152	-11.7001	-11.6801	-11.6752	-11.3448
-11.3445	-10.8985	-10.8974	-10.4867	-10.4853	-10.1700	-10.1642	-10.1522
-9.7267	-9.3521	-9.1634	-9.0922	-8.9867	-8.9751	-8.8362	-8.8355
-8.8111	-8.8080	-8.5638	-8.5476	-8.5437	-8.4994	-8.3658	-8.3655
-8.2583	-8.2228	-8.2213	-8.0994	-8.0931	-7.8244	-7.8161	-7.6763
-7.6745	-7.5976	-7.5957	-7.3566	-7.2907	-7.2891	-7.2886	-7.2873
-7.0346	-7.0335	-6.7982	-6.7978	-6.7367	-6.7364	-6.6514	-6.3709
-6.3611	-6.2136	-5.9114	-5.9109	-5.8793	-5.8645	-5.6010	-5.5927
-5.5279	-5.5225	-5.5148	-5.2638	-5.2601	-5.1577	-5.0827	-5.0818
-5.0658	-5.0181	-5.0168	-5.0134	-5.0120	-4.8157	-4.8153	-4.6545
-3.6562	-3.5078	-3.5063	-3.3801	-3.1508	-3.1454	-2.9303	-1.7374
-0.7947	0.3017	0.3105	0.3410	1.8364	2.1345	2.1397	2.2176
2.2322	2.2364	2.3029	2.3722	2.3892	2.3902	2.6140	2.6600
2.6795	2.7571	2.7591	3.0040	3.0073	3.0689	3.1729	3.3874
3.3945	3.4423						

k = 0.2698-0.4674 0.0000 ( 64830 PWs)      bands (ev):

-21.2429	-21.1817	-20.9493	-20.9434	-20.9325	-20.9311	-19.9157	-19.9152
-19.6972	-19.6962	-19.4679	-19.1166	-19.0198	-19.0182	-18.6395	-18.6380
-18.4957	-18.4954	-18.4682	-18.4655	-17.8980	-17.8959	-17.7285	-17.6185
-17.6167	-17.6147	-17.6127	-17.2359	-15.6268	-15.6207	-15.5823	-14.8574
-14.5902	-14.3262	-14.3229	-13.8007	-12.9057	-12.9029	-12.4519	-12.2005
-12.1778	-12.1705	-12.0069	-12.0058	-11.6998	-11.6413	-11.6364	-11.3713
-11.3710	-10.8967	-10.8956	-10.4559	-10.4545	-10.1875	-10.1817	-10.1447
-9.7627	-9.3177	-9.1747	-9.1257	-8.9787	-8.9680	-8.8477	-8.8469



-8.8012	-8.7984	-8.5942	-8.5780	-8.5554	-8.5329	-8.3549	-8.3546
-8.2333	-8.2131	-8.2116	-8.0967	-8.0904	-7.8035	-7.7951	-7.6518
-7.6501	-7.6196	-7.6177	-7.3827	-7.3024	-7.2990	-7.2885	-7.2880
-7.0171	-7.0160	-6.8090	-6.8087	-6.7199	-6.7196	-6.6210	-6.3972
-6.3871	-6.1859	-5.9346	-5.9340	-5.9074	-5.8950	-5.6122	-5.6039
-5.5501	-5.5485	-5.4910	-5.2544	-5.2507	-5.1289	-5.0929	-5.0920
-5.0448	-5.0095	-5.0082	-4.9892	-4.9876	-4.7956	-4.7953	-4.6376
-3.6643	-3.5099	-3.5084	-3.3926	-3.1554	-3.1500	-2.9364	-1.7706
-0.7623	0.3119	0.3209	0.3455	1.8225	2.0979	2.1025	2.2277
2.2408	2.2425	2.3012	2.3582	2.3975	2.3985	2.5998	2.6546
2.6742	2.7688	2.7707	3.0158	3.0188	3.0556	3.1588	3.4277
3.4358	3.4537						

k = 0.2659-0.4605 0.0000 ( 64854 PWs) bands (ev):

-21.2528	-21.1901	-20.9407	-20.9349	-20.9253	-20.9239	-19.9234	-19.9230
-19.7069	-19.7059	-19.4480	-19.0901	-19.0385	-19.0369	-18.6337	-18.6321
-18.4958	-18.4930	-18.4821	-18.4818	-17.8899	-17.8878	-17.7341	-17.6198
-17.6181	-17.5889	-17.5869	-17.2400	-15.6475	-15.6416	-15.5907	-14.8661
-14.6232	-14.2921	-14.2885	-13.7783	-12.9461	-12.9433	-12.4363	-12.2057
-12.1727	-12.1653	-11.9971	-11.9961	-11.6993	-11.6025	-11.5975	-11.3976
-11.3973	-10.8950	-10.8938	-10.4251	-10.4237	-10.2049	-10.1991	-10.1367
-9.7987	-9.2836	-9.1860	-9.1590	-8.9712	-8.9612	-8.8591	-8.8583
-8.7913	-8.7887	-8.6248	-8.6088	-8.5671	-8.5661	-8.3444	-8.3441
-8.2085	-8.2032	-8.2017	-8.0940	-8.0877	-7.7826	-7.7741	-7.6417
-7.6398	-7.6272	-7.6254	-7.4087	-7.3140	-7.3105	-7.2879	-7.2874
-6.9997	-6.9986	-6.8197	-6.8194	-6.7030	-6.7027	-6.5907	-6.4240
-6.4134	-6.1581	-5.9582	-5.9575	-5.9362	-5.9255	-5.6234	-5.6150
-5.5765	-5.5749	-5.4621	-5.2447	-5.2411	-5.1033	-5.1025	-5.0999
-5.0239	-5.0013	-5.0000	-4.9644	-4.9628	-4.7756	-4.7752	-4.6209
-3.6722	-3.5124	-3.5109	-3.4050	-3.1607	-3.1554	-2.9429	-1.8040
-0.7298	0.3229	0.3321	0.3499	1.8087	2.0605	2.0648	2.2388
2.2456	2.2537	2.2995	2.3444	2.4062	2.4072	2.5858	2.6490
2.6687	2.7806	2.7826	3.0269	3.0296	3.0443	3.1448	3.4261
3.4281	3.4649						

k = 0.2619-0.4536 0.0000 ( 64842 PWs) bands (ev):

-21.2626	-21.1984	-20.9320	-20.9262	-20.9180	-20.9165	-19.9310	-19.9306
-19.7165	-19.7155	-19.4280	-19.0635	-19.0572	-19.0556	-18.6277	-18.6262
-18.5231	-18.5203	-18.4685	-18.4682	-17.8816	-17.8795	-17.7396	-17.6214
-17.6197	-17.5630	-17.5610	-17.2444	-15.6686	-15.6628	-15.5989	-14.8748
-14.6567	-14.2574	-14.2537	-13.7559	-12.9864	-12.9836	-12.4202	-12.2108
-12.1675	-12.1601	-11.9871	-11.9860	-11.6987	-11.5636	-11.5586	-11.4236
-11.4233	-10.8932	-10.8920	-10.3940	-10.3926	-10.2222	-10.2165	-10.1283
-9.8346	-9.2497	-9.1974	-9.1923	-8.9641	-8.9548	-8.8702	-8.8695
-8.7814	-8.7789	-8.6558	-8.6399	-8.5992	-8.5784	-8.3342	-8.3339
-8.1932	-8.1917	-8.1839	-8.0913	-8.0850	-7.7617	-7.7532	-7.6640
-7.6622	-7.6023	-7.6005	-7.4348	-7.3253	-7.3218	-7.2872	-7.2867
-6.9823	-6.9812	-6.8303	-6.8299	-6.6859	-6.6856	-6.5607	-6.4514
-6.4398	-6.1302	-5.9821	-5.9815	-5.9653	-5.9558	-5.6346	-5.6261
-5.6029	-5.6014	-5.4328	-5.2349	-5.2314	-5.1135	-5.1126	-5.0719
-5.0034	-4.9929	-4.9916	-4.9396	-4.9380	-4.7556	-4.7553	-4.6044
-3.6800	-3.5153	-3.5138	-3.4171	-3.1667	-3.1614	-2.9498	-1.8375
-0.6970	0.3346	0.3440	0.3543	1.7952	2.0230	2.0270	2.2503
2.2509	2.2653	2.2978	2.3309	2.4153	2.4164	2.5720	2.6433
2.6631	2.7927	2.7946	3.0248	3.0408	3.0464	3.1311	3.3984
3.3994	3.4771						

k = 0.2579-0.4468 0.0000 ( 64830 PWs) bands (ev):

-21.2723	-21.2066	-20.9231	-20.9174	-20.9105	-20.9091	-19.9385	-19.9381
----------	----------	----------	----------	----------	----------	----------	----------

-19.7260	-19.7250	-19.4080	-19.0759	-19.0743	-19.0368	-18.6217	-18.6201
-18.5504	-18.5476	-18.4550	-18.4547	-17.8732	-17.8711	-17.7450	-17.6233
-17.6216	-17.5370	-17.5350	-17.2490	-15.6900	-15.6843	-15.6069	-14.8832
-14.6904	-14.2222	-14.2183	-13.7333	-13.0267	-13.0239	-12.4035	-12.2159
-12.1622	-12.1548	-11.9766	-11.9756	-11.6979	-11.5246	-11.5195	-11.4495
-11.4492	-10.8914	-10.8903	-10.3628	-10.3614	-10.2394	-10.2337	-10.1195
-9.8704	-9.2254	-9.2162	-9.2086	-8.9575	-8.9487	-8.8813	-8.8805
-8.7720	-8.7689	-8.6870	-8.6712	-8.6316	-8.5896	-8.3244	-8.3241
-8.1830	-8.1815	-8.1594	-8.0887	-8.0823	-7.7410	-7.7323	-7.6865
-7.6847	-7.5773	-7.5755	-7.4608	-7.3364	-7.3328	-7.2866	-7.2861
-6.9649	-6.9638	-6.8407	-6.8403	-6.6687	-6.6684	-6.5323	-6.4792
-6.4651	-6.1022	-6.0065	-6.0058	-5.9946	-5.9861	-5.6458	-5.6372
-5.6294	-5.6278	-5.4035	-5.2249	-5.2214	-5.1237	-5.1229	-5.0438
-4.9845	-4.9832	-4.9829	-4.9148	-4.9133	-4.7358	-4.7354	-4.5880
-3.6878	-3.5185	-3.5170	-3.4291	-3.1733	-3.1681	-2.9572	-1.8712
-0.6641	0.3470	0.3560	0.3592	1.7818	1.9854	1.9894	2.2563
2.2624	2.2772	2.2961	2.3175	2.4249	2.4260	2.5584	2.6374
2.6573	2.8050	2.8069	3.0130	3.0532	3.0577	3.1176	3.3693
3.3700	3.4893						

k = 0.2540-0.4399 0.0000 ( 64852 PWs) bands (ev):

-21.2818	-21.2147	-20.9141	-20.9084	-20.9028	-20.9015	-19.9459	-19.9455
-19.7353	-19.7344	-19.3880	-19.0945	-19.0930	-19.0100	-18.6156	-18.6140
-18.5775	-18.5747	-18.4416	-18.4413	-17.8646	-17.8625	-17.7504	-17.6254
-17.6237	-17.5109	-17.5088	-17.2540	-15.7116	-15.7061	-15.6148	-14.8916
-14.7246	-14.1866	-14.1825	-13.7106	-13.0668	-13.0641	-12.3863	-12.2209
-12.1569	-12.1494	-11.9658	-11.9648	-11.6970	-11.4855	-11.4804	-11.4750
-11.4747	-10.8897	-10.8885	-10.3314	-10.3300	-10.2565	-10.2508	-10.1103
-9.9061	-9.2585	-9.2197	-9.1829	-8.9513	-8.9429	-8.8922	-8.8914
-8.7638	-8.7586	-8.7185	-8.7029	-8.6627	-8.6007	-8.3150	-8.3146
-8.1726	-8.1711	-8.1351	-8.0861	-8.0797	-7.7203	-7.7115	-7.7092
-7.7073	-7.5521	-7.5503	-7.4868	-7.3474	-7.3437	-7.2859	-7.2854
-6.9475	-6.9464	-6.8509	-6.8505	-6.6515	-6.6512	-6.5157	-6.5072
-6.4790	-6.0742	-6.0313	-6.0305	-6.0240	-6.0163	-5.6570	-5.6558
-5.6543	-5.6482	-5.3741	-5.2148	-5.2113	-5.1341	-5.1333	-5.0160
-4.9759	-4.9746	-4.9629	-4.8900	-4.8886	-4.7160	-4.7157	-4.5720
-3.6955	-3.5222	-3.5207	-3.4409	-3.1806	-3.1755	-2.9650	-1.9051
-0.6311	0.3594	0.3628	0.3706	1.7687	1.9480	1.9518	2.2622
2.2746	2.2892	2.2943	2.3046	2.4349	2.4359	2.5450	2.6313
2.6513	2.8174	2.8193	3.0004	3.0658	3.0701	3.1043	3.3399
3.3406	3.5016						

k = 0.2500-0.4330 0.0000 ( 64834 PWs) bands (ev):

-21.2911	-21.2226	-20.9049	-20.8994	-20.8951	-20.8938	-19.9532	-19.9528
-19.7445	-19.7435	-19.3679	-19.1132	-19.1116	-18.9830	-18.6094	-18.6078
-18.6045	-18.6016	-18.4283	-18.4280	-17.8559	-17.8538	-17.7557	-17.6278
-17.6261	-17.4846	-17.4825	-17.2592	-15.7335	-15.7281	-15.6226	-14.8998
-14.7590	-14.1507	-14.1464	-13.6877	-13.1069	-13.1042	-12.3686	-12.2258
-12.1515	-12.1440	-11.9547	-11.9537	-11.6959	-11.5004	-11.5001	-11.4464
-11.4413	-10.8880	-10.8868	-10.2999	-10.2985	-10.2734	-10.2678	-10.1008
-9.9418	-9.2914	-9.2307	-9.1499	-8.9455	-8.9374	-8.9029	-8.9021
-8.7592	-8.7517	-8.7465	-8.7348	-8.6902	-8.6115	-8.3058	-8.3055
-8.1620	-8.1605	-8.1110	-8.0835	-8.0771	-7.7320	-7.7302	-7.6997
-7.6908	-7.5269	-7.5250	-7.5127	-7.3582	-7.3544	-7.2853	-7.2848
-6.9301	-6.9290	-6.8610	-6.8606	-6.6341	-6.6338	-6.5365	-6.5321
-6.4596	-6.0564	-6.0557	-6.0535	-6.0465	-6.0461	-5.6822	-5.6807
-5.6681	-5.6593	-5.3449	-5.2045	-5.2010	-5.1444	-5.1436	-4.9885
-4.9671	-4.9659	-4.9431	-4.8652	-4.8639	-4.6963	-4.6960	-4.5561
-3.7030	-3.5262	-3.5247	-3.4525	-3.1886	-3.1835	-2.9732	-1.9392
-0.5979	0.3655	0.3746	0.3846	1.7557	1.9107	1.9144	2.2685

2.2869	2.2909	2.2926	2.3025	2.4452	2.4463	2.5318	2.6250
2.6451	2.8301	2.8320	2.9878	3.0787	3.0827	3.0914	3.3107
3.3112	3.5141						

k = 0.2460-0.4261 0.0000 ( 64858 PWs) bands (ev):

-21.3004	-21.2305	-20.8956	-20.8903	-20.8871	-20.8859	-19.9604	-19.9599
-19.7536	-19.7526	-19.3477	-19.1318	-19.1303	-18.9559	-18.6314	-18.6285
-18.6031	-18.6015	-18.4151	-18.4148	-17.8471	-17.8450	-17.7610	-17.6304
-17.6287	-17.4582	-17.4562	-17.2646	-15.7556	-15.7502	-15.6303	-14.9080
-14.7937	-14.1144	-14.1099	-13.6648	-13.1469	-13.1442	-12.3504	-12.2307
-12.1461	-12.1386	-11.9433	-11.9422	-11.6946	-11.5255	-11.5252	-11.4072
-11.4020	-10.8863	-10.8851	-10.2902	-10.2846	-10.2682	-10.2668	-10.0909
-9.9774	-9.3242	-9.2416	-9.1173	-8.9400	-8.9323	-8.9135	-8.9127
-8.7827	-8.7672	-8.7648	-8.7367	-8.7073	-8.6223	-8.2970	-8.2967
-8.1513	-8.1498	-8.0871	-8.0809	-8.0745	-7.7551	-7.7532	-7.6791
-7.6701	-7.5387	-7.5015	-7.4996	-7.3687	-7.3649	-7.2846	-7.2841
-6.9127	-6.9116	-6.8710	-6.8706	-6.6167	-6.6164	-6.5656	-6.5592
-6.4305	-6.0830	-6.0819	-6.0812	-6.0765	-6.0179	-5.7086	-5.7071
-5.6793	-5.6703	-5.3158	-5.1940	-5.1906	-5.1548	-5.1540	-4.9612
-4.9583	-4.9570	-4.9235	-4.8405	-4.8392	-4.6767	-4.6764	-4.5403
-3.7105	-3.5306	-3.5291	-3.4640	-3.1971	-3.1921	-2.9818	-1.9734
-0.5645	0.3694	0.3890	0.3994	1.7429	1.8735	1.8772	2.2751
2.2782	2.2908	2.2998	2.3149	2.4560	2.4570	2.5189	2.6186
2.6387	2.8430	2.8449	2.9752	3.0781	3.0919	3.0961	3.2815
3.2820	3.5268						

k = 0.2421-0.4193 0.0000 ( 64846 PWs) bands (ev):

-21.3094	-21.2381	-20.8862	-20.8814	-20.8788	-20.8779	-19.9674	-19.9670
-19.7625	-19.7615	-19.3275	-19.1505	-19.1489	-18.9286	-18.6582	-18.6552
-18.5967	-18.5952	-18.4019	-18.4016	-17.8382	-17.8360	-17.7661	-17.6332
-17.6315	-17.4317	-17.4297	-17.2704	-15.7778	-15.7725	-15.6378	-14.9160
-14.8286	-14.0778	-14.0732	-13.6417	-13.1868	-13.1841	-12.3318	-12.2355
-12.1406	-12.1331	-11.9315	-11.9304	-11.6931	-11.5503	-11.5500	-11.3679
-11.3627	-10.8846	-10.8834	-10.3070	-10.3014	-10.2364	-10.2350	-10.0807
-10.0130	-9.3568	-9.2524	-9.0850	-8.9349	-8.9275	-8.9239	-8.9231
-8.8151	-8.7997	-8.7858	-8.7256	-8.7089	-8.6328	-8.2885	-8.2882
-8.1405	-8.1389	-8.0784	-8.0719	-8.0634	-7.7782	-7.7764	-7.6587
-7.6495	-7.5645	-7.4761	-7.4742	-7.3790	-7.3751	-7.2839	-7.2834
-6.8953	-6.8943	-6.8807	-6.8804	-6.5992	-6.5989	-6.5953	-6.5880
-6.3999	-6.1125	-6.1078	-6.1070	-6.1064	-5.9896	-5.7349	-5.7334
-5.6905	-5.6813	-5.2869	-5.1834	-5.1800	-5.1652	-5.1645	-4.9493
-4.9481	-4.9342	-4.9041	-4.8159	-4.8146	-4.6572	-4.6569	-4.5248
-3.7179	-3.5354	-3.5338	-3.4752	-3.2062	-3.2013	-2.9909	-2.0078
-0.5310	0.3731	0.4042	0.4149	1.7304	1.8366	1.8401	2.2657
2.2821	2.2891	2.3127	2.3277	2.4672	2.4682	2.5061	2.6120
2.6322	2.8561	2.8579	2.9629	3.0655	3.1053	3.1093	3.2525
3.2530	3.5397						

k = 0.2381-0.4124 0.0000 ( 64854 PWs) bands (ev):

-21.3183	-21.2457	-20.8767	-20.8727	-20.8703	-20.8693	-19.9744	-19.9740
-19.7712	-19.7702	-19.3073	-19.1691	-19.1675	-18.9013	-18.6848	-18.6817
-18.5903	-18.5887	-18.3889	-18.3886	-17.8291	-17.8269	-17.7713	-17.6363
-17.6346	-17.4051	-17.4030	-17.2764	-15.8001	-15.7949	-15.6453	-14.9239
-14.8638	-14.0409	-14.0361	-13.6186	-13.2267	-13.2240	-12.3128	-12.2402
-12.1351	-12.1275	-11.9194	-11.9184	-11.6914	-11.5749	-11.5746	-11.3285
-11.3233	-10.8829	-10.8818	-10.3235	-10.3180	-10.2044	-10.2030	-10.0701
-10.0485	-9.3894	-9.2630	-9.0530	-8.9341	-8.9334	-8.9302	-8.9230
-8.8477	-8.8325	-8.8146	-8.7142	-8.7025	-8.6431	-8.2804	-8.2800
-8.1294	-8.1279	-8.0758	-8.0694	-8.0399	-7.8015	-7.7997	-7.6385

-7.6291	-7.5904	-7.4506	-7.4488	-7.3891	-7.3850	-7.2833	-7.2828
-6.8904	-6.8900	-6.8780	-6.8769	-6.6253	-6.6176	-6.5817	-6.5814
-6.3688	-6.1420	-6.1363	-6.1341	-6.1333	-5.9613	-5.7612	-5.7596
-5.7017	-5.6922	-5.2582	-5.1756	-5.1749	-5.1726	-5.1692	-4.9403
-4.9390	-4.9076	-4.8850	-4.7913	-4.7901	-4.6379	-4.6376	-4.5096
-3.7251	-3.5405	-3.5389	-3.4863	-3.2159	-3.2110	-3.0003	-2.0423
-0.4973	0.3766	0.4201	0.4309	1.7180	1.7998	1.8033	2.2534
2.2872	2.2895	2.3258	2.3408	2.4787	2.4797	2.4936	2.6052
2.6255	2.8694	2.8712	2.9507	3.0530	3.1188	3.1228	3.2237
3.2242	3.5528						

k = 0.2341-0.4055 0.0000 ( 64854 PWs)      bands (ev):

-21.3271	-21.2532	-20.8670	-20.8642	-20.8619	-20.8600	-19.9812	-19.9808
-19.7798	-19.7788	-19.2870	-19.1876	-19.1860	-18.8738	-18.7112	-18.7082
-18.5837	-18.5822	-18.3759	-18.3756	-17.8198	-17.8176	-17.7763	-17.6396
-17.6378	-17.3784	-17.3763	-17.2827	-15.8225	-15.8174	-15.6526	-14.9317
-14.8992	-14.0038	-13.9989	-13.5952	-13.2664	-13.2638	-12.2934	-12.2449
-12.1295	-12.1219	-11.9070	-11.9060	-11.6894	-11.5992	-11.5989	-11.2891
-11.2838	-10.8813	-10.8802	-10.3400	-10.3345	-10.1722	-10.1708	-10.0839
-10.0592	-9.4218	-9.2734	-9.0214	-8.9442	-8.9435	-8.9257	-8.9188
-8.8806	-8.8655	-8.8461	-8.7027	-8.6932	-8.6532	-8.2725	-8.2722
-8.1182	-8.1167	-8.0733	-8.0669	-8.0167	-7.8249	-7.8231	-7.6184
-7.6162	-7.6088	-7.4252	-7.4233	-7.3990	-7.3946	-7.2826	-7.2821
-6.8999	-6.8995	-6.8607	-6.8596	-6.6558	-6.6478	-6.5642	-6.5638
-6.3374	-6.1714	-6.1660	-6.1607	-6.1598	-5.9329	-5.7874	-5.7859
-5.7129	-5.7032	-5.2298	-5.1861	-5.1854	-5.1616	-5.1583	-4.9310
-4.9298	-4.8812	-4.8662	-4.7668	-4.7656	-4.6186	-4.6183	-4.4945
-3.7323	-3.5459	-3.5443	-3.4971	-3.2262	-3.2213	-3.0103	-2.0770
-0.4635	0.3800	0.4365	0.4476	1.7058	1.7633	1.7667	2.2412
2.2854	2.2973	2.3391	2.3540	2.4813	2.4906	2.4916	2.5982
2.6186	2.8828	2.8847	2.9388	3.0407	3.1326	3.1366	3.1950
3.1955	3.5661						

k = 0.2302-0.3987 0.0000 ( 64836 PWs)      bands (ev):

-21.3357	-21.2605	-20.8573	-20.8558	-20.8535	-20.8503	-19.9880	-19.9875
-19.7883	-19.7873	-19.2667	-19.2062	-19.2046	-18.8461	-18.7376	-18.7345
-18.5771	-18.5755	-18.3630	-18.3628	-17.8104	-17.8083	-17.7813	-17.6431
-17.6413	-17.3516	-17.3494	-17.2893	-15.8450	-15.8400	-15.6597	-14.9395
-14.9345	-13.9665	-13.9614	-13.5718	-13.3061	-13.3035	-12.2735	-12.2495
-12.1239	-12.1162	-11.8943	-11.8933	-11.6872	-11.6232	-11.6230	-11.2496
-11.2443	-10.8797	-10.8786	-10.3563	-10.3509	-10.1399	-10.1385	-10.1192
-10.0480	-9.4541	-9.2837	-8.9903	-8.9541	-8.9534	-8.9217	-8.9156
-8.9130	-8.8986	-8.8784	-8.6910	-8.6830	-8.6630	-8.2649	-8.2645
-8.1068	-8.1053	-8.0709	-8.0643	-7.9937	-7.8485	-7.8467	-7.6420
-7.5987	-7.5887	-7.4085	-7.4039	-7.3997	-7.3979	-7.2819	-7.2814
-6.9092	-6.9088	-6.8434	-6.8423	-6.6867	-6.6786	-6.5466	-6.5462
-6.3059	-6.2008	-6.1956	-6.1876	-6.1867	-5.9044	-5.8136	-5.8121
-5.7241	-5.7141	-5.2016	-5.1966	-5.1959	-5.1504	-5.1471	-4.9217
-4.9204	-4.8551	-4.8476	-4.7424	-4.7412	-4.5995	-4.5992	-4.4796
-3.7394	-3.5517	-3.5501	-3.5078	-3.2369	-3.2322	-3.0206	-2.1118
-0.4295	0.3832	0.4535	0.4649	1.6938	1.7270	1.7303	2.2293
2.2836	2.3055	2.3526	2.3675	2.4692	2.5028	2.5039	2.5911
2.6115	2.8965	2.8984	2.9270	3.0286	3.1465	3.1505	3.1666
3.1671	3.5795						

k = 0.2262-0.3918 0.0000 ( 64824 PWs)      bands (ev):

-21.3442	-21.2677	-20.8478	-20.8471	-20.8447	-20.8404	-19.9946	-19.9942
-19.7966	-19.7956	-19.2463	-19.2247	-19.2231	-18.8184	-18.7638	-18.7607
-18.5704	-18.5688	-18.3503	-18.3500	-17.8009	-17.7987	-17.7862	-17.6468

-17.6451	-17.3246	-17.3225	-17.2961	-15.8676	-15.8626	-15.6668	-14.9706
-14.9467	-13.9290	-13.9237	-13.5483	-13.3457	-13.3431	-12.2540	-12.2533
-12.1182	-12.1105	-11.8813	-11.8803	-11.6848	-11.6470	-11.6467	-11.2100
-11.2046	-10.8782	-10.8770	-10.3725	-10.3671	-10.1545	-10.1075	-10.1061
-10.0365	-9.4862	-9.2938	-8.9639	-8.9631	-8.9602	-8.9467	-8.9325
-8.9181	-8.9129	-8.9086	-8.6793	-8.6756	-8.6689	-8.2576	-8.2572
-8.0953	-8.0938	-8.0684	-8.0619	-7.9709	-7.8721	-7.8703	-7.6677
-7.5792	-7.5688	-7.4176	-7.4127	-7.3744	-7.3725	-7.2813	-7.2808
-6.9184	-6.9180	-6.8262	-6.8251	-6.7180	-6.7097	-6.5290	-6.5287
-6.2742	-6.2302	-6.2252	-6.2149	-6.2140	-5.8759	-5.8397	-5.8382
-5.7354	-5.7249	-5.2071	-5.2064	-5.1737	-5.1391	-5.1358	-4.9123
-4.9110	-4.8294	-4.8293	-4.7180	-4.7169	-4.5804	-4.5801	-4.4650
-3.7464	-3.5578	-3.5562	-3.5184	-3.2482	-3.2435	-3.0314	-2.1468
-0.3954	0.3864	0.4711	0.4827	1.6819	1.6910	1.6942	2.2175
2.2818	2.3141	2.3663	2.3811	2.4573	2.5154	2.5164	2.5837
2.6043	2.9101	2.9121	2.9158	3.0168	3.1384	3.1389	3.1607
3.1647	3.5932						

k = 0.2222-0.3849 0.0000 ( 64820 PWs) bands (ev):

-21.3525	-21.2748	-20.8389	-20.8381	-20.8354	-20.8303	-20.0011	-20.0007
-19.8048	-19.8038	-19.2432	-19.2416	-19.2259	-18.7907	-18.7897	-18.7867
-18.5636	-18.5620	-18.3376	-18.3374	-17.7913	-17.7910	-17.7891	-17.6507
-17.6490	-17.3033	-17.2976	-17.2954	-15.8902	-15.8853	-15.6737	-15.0065
-14.9541	-13.8914	-13.8859	-13.5247	-13.3851	-13.3826	-12.2585	-12.2328
-12.1125	-12.1047	-11.8681	-11.8671	-11.6822	-11.6704	-11.6702	-11.1704
-11.1650	-10.8767	-10.8755	-10.3886	-10.3832	-10.1897	-10.0749	-10.0735
-10.0247	-9.5183	-9.3038	-8.9811	-8.9734	-8.9727	-8.9664	-8.9453
-8.9293	-8.9126	-8.9072	-8.6837	-8.6667	-8.6593	-8.2506	-8.2502
-8.0836	-8.0821	-8.0660	-8.0594	-7.9484	-7.8959	-7.8940	-7.6934
-7.5604	-7.5494	-7.4262	-7.4207	-7.3491	-7.3473	-7.2806	-7.2801
-6.9274	-6.9270	-6.8089	-6.8078	-6.7497	-6.7413	-6.5115	-6.5111
-6.2594	-6.2546	-6.2432	-6.2418	-6.2415	-5.8658	-5.8642	-5.8473
-5.7467	-5.7357	-5.2177	-5.2170	-5.1462	-5.1276	-5.1243	-4.9027
-4.9014	-4.8113	-4.8039	-4.6938	-4.6927	-4.5615	-4.5612	-4.4506
-3.7532	-3.5642	-3.5626	-3.5287	-3.2600	-3.2554	-3.0426	-2.1819
-0.3611	0.3894	0.4892	0.5010	1.6550	1.6582	1.6707	2.2060
2.2800	2.3230	2.3802	2.3949	2.4458	2.5283	2.5293	2.5762
2.5968	2.9038	2.9246	2.9264	3.0051	3.1105	3.1109	3.1751
3.1791	3.6070						

k = 0.2183-0.3780 0.0000 ( 64820 PWs) bands (ev):

-21.3607	-21.2818	-20.8302	-20.8290	-20.8255	-20.8200	-20.0075	-20.0071
-19.8128	-19.8118	-19.2616	-19.2600	-19.2055	-18.8159	-18.8126	-18.7625
-18.5567	-18.5552	-18.3251	-18.3248	-17.7958	-17.7815	-17.7793	-17.6549
-17.6532	-17.3107	-17.2704	-17.2682	-15.9128	-15.9079	-15.6805	-15.0426
-14.9614	-13.8535	-13.8479	-13.5009	-13.4245	-13.4220	-12.2629	-12.2119
-12.1067	-12.0989	-11.8546	-11.8536	-11.6938	-11.6934	-11.6791	-11.1307
-11.1252	-10.8752	-10.8740	-10.4045	-10.3992	-10.2248	-10.0422	-10.0408
-10.0126	-9.5502	-9.3136	-9.0148	-9.0002	-8.9828	-8.9821	-8.9783
-8.9123	-8.9046	-8.8958	-8.6930	-8.6545	-8.6475	-8.2438	-8.2435
-8.0718	-8.0703	-8.0636	-8.0570	-7.9262	-7.9196	-7.9178	-7.7191
-7.5424	-7.5307	-7.4339	-7.4278	-7.3239	-7.3221	-7.2799	-7.2794
-6.9363	-6.9359	-6.7917	-6.7906	-6.7817	-6.7732	-6.4940	-6.4936
-6.2886	-6.2839	-6.2704	-6.2695	-6.2107	-5.8918	-5.8902	-5.8187
-5.7580	-5.7463	-5.2283	-5.2276	-5.1200	-5.1155	-5.1122	-4.8930
-4.8917	-4.7936	-4.7787	-4.6697	-4.6686	-4.5428	-4.5425	-4.4364
-3.7600	-3.5710	-3.5694	-3.5389	-3.2723	-3.2677	-3.0542	-2.2171
-0.3266	0.3924	0.5078	0.5199	1.6194	1.6226	1.6592	2.1946
2.2781	2.3324	2.3943	2.4085	2.4348	2.5414	2.5425	2.5685
2.5892	2.8927	2.9388	2.9407	2.9937	3.0828	3.0832	3.1897

3.1936 3.6210

k = 0.2143-0.3712 0.0000 ( 64816 PWs) bands (ev):

-21.3688	-21.2886	-20.8214	-20.8201	-20.8152	-20.8096	-20.0138	-20.0134
-19.8207	-19.8197	-19.2800	-19.2785	-19.1850	-18.8417	-18.8384	-18.7343
-18.5498	-18.5482	-18.3127	-18.3124	-17.8005	-17.7716	-17.7693	-17.6593
-17.6575	-17.3184	-17.2431	-17.2409	-15.9354	-15.9306	-15.6872	-15.0788
-14.9685	-13.8156	-13.8098	-13.4771	-13.4638	-13.4613	-12.2672	-12.1907
-12.1009	-12.0931	-11.8408	-11.8398	-11.7167	-11.7164	-11.6760	-11.0909
-11.0854	-10.8738	-10.8726	-10.4203	-10.4150	-10.2598	-10.0094	-10.0080
-10.0001	-9.5819	-9.3233	-9.0488	-9.0343	-9.0116	-8.9920	-8.9913
-8.9082	-8.9014	-8.8672	-8.7023	-8.6419	-8.6354	-8.2373	-8.2370
-8.0613	-8.0597	-8.0583	-8.0546	-7.9436	-7.9418	-7.9041	-7.7447
-7.5261	-7.5135	-7.4400	-7.4332	-7.2988	-7.2971	-7.2792	-7.2787
-6.9450	-6.9446	-6.8141	-6.8056	-6.7745	-6.7734	-6.4766	-6.4762
-6.3176	-6.3131	-6.2987	-6.2977	-6.1790	-5.9177	-5.9162	-5.7904
-5.7693	-5.7566	-5.2390	-5.2382	-5.1047	-5.1016	-5.0908	-4.8832
-4.8819	-4.7761	-4.7539	-4.6456	-4.6446	-4.5241	-4.5238	-4.4225
-3.7667	-3.5780	-3.5764	-3.5488	-3.2850	-3.2804	-3.0662	-2.2525
-0.2920	0.3952	0.5269	0.5392	1.5841	1.5873	1.6480	2.1835
2.2763	2.3422	2.4083	2.4182	2.4284	2.5549	2.5559	2.5606
2.5813	2.8817	2.9531	2.9551	2.9826	3.0553	3.0558	3.2045
3.2084	3.6352						

k = 0.2103-0.3643 0.0000 ( 64826 PWs) bands (ev):

-21.3766	-21.2953	-20.8125	-20.8112	-20.8046	-20.7990	-20.0200	-20.0196
-19.8284	-19.8275	-19.2984	-19.2968	-19.1645	-18.8674	-18.8641	-18.7061
-18.5428	-18.5412	-18.3003	-18.3001	-17.8051	-17.7615	-17.7593	-17.6638
-17.6621	-17.3263	-17.2157	-17.2135	-15.9580	-15.9533	-15.6937	-15.1151
-14.9756	-13.7775	-13.7715	-13.5030	-13.5005	-13.4530	-12.2714	-12.1692
-12.0951	-12.0872	-11.8268	-11.8258	-11.7393	-11.7390	-11.6725	-11.0510
-11.0455	-10.8724	-10.8712	-10.4360	-10.4307	-10.2947	-9.9875	-9.9764
-9.9750	-9.6135	-9.3327	-9.0830	-9.0687	-9.0450	-9.0010	-9.0003
-8.9051	-8.8986	-8.8380	-8.7115	-8.6293	-8.6230	-8.2311	-8.2307
-8.0589	-8.0523	-8.0476	-8.0461	-7.9676	-7.9658	-7.8823	-7.7703
-7.5126	-7.4996	-7.4428	-7.4355	-7.2786	-7.2781	-7.2739	-7.2722
-6.9536	-6.9532	-6.8468	-6.8383	-6.7574	-6.7563	-6.4592	-6.4588
-6.3466	-6.3422	-6.3272	-6.3262	-6.1473	-5.9436	-5.9421	-5.7807
-5.7704	-5.7582	-5.2497	-5.2489	-5.0926	-5.0895	-5.0644	-4.8733
-4.8720	-4.7589	-4.7295	-4.6218	-4.6207	-4.5056	-4.5054	-4.4087
-3.7732	-3.5854	-3.5838	-3.5586	-3.2982	-3.2936	-3.0787	-2.2880
-0.2572	0.3979	0.5465	0.5590	1.5491	1.5522	1.6370	2.1725
2.2745	2.3524	2.4100	2.4234	2.4393	2.5525	2.5687	2.5697
2.5733	2.8709	2.9663	2.9695	2.9733	3.0282	3.0286	3.2195
3.2234	3.6496						

k = 0.2063-0.3574 0.0000 ( 64820 PWs) bands (ev):

-21.3844	-21.3019	-20.8035	-20.8021	-20.7939	-20.7882	-20.0261	-20.0257
-19.8360	-19.8351	-19.3167	-19.3152	-19.1439	-18.8929	-18.8896	-18.6777
-18.5356	-18.5341	-18.2882	-18.2879	-17.8097	-17.7513	-17.7490	-17.6686
-17.6669	-17.3345	-17.1882	-17.1860	-15.9806	-15.9759	-15.7002	-15.1515
-14.9825	-13.7393	-13.7332	-13.5421	-13.5396	-13.4289	-12.2756	-12.1474
-12.0892	-12.0813	-11.8125	-11.8115	-11.7616	-11.7613	-11.6688	-11.0111
-11.0056	-10.8711	-10.8699	-10.4515	-10.4463	-10.3296	-9.9745	-9.9433
-9.9419	-9.6450	-9.3420	-9.1175	-9.1032	-9.0784	-9.0098	-9.0090
-8.9024	-8.8961	-8.8090	-8.7205	-8.6164	-8.6103	-8.2251	-8.2247
-8.0566	-8.0500	-8.0352	-8.0337	-7.9916	-7.9898	-7.8609	-7.7958
-7.5039	-7.4921	-7.4390	-7.4329	-7.2779	-7.2774	-7.2492	-7.2475
-6.9620	-6.9616	-6.8799	-6.8713	-6.7402	-6.7391	-6.4419	-6.4415

-6.3755	-6.3711	-6.3560	-6.3550	-6.1157	-5.9694	-5.9679	-5.7921
-5.7787	-5.7314	-5.2604	-5.2596	-5.0805	-5.0774	-5.0381	-4.8632
-4.8620	-4.7420	-4.7053	-4.5980	-4.5970	-4.4873	-4.4870	-4.3952
-3.7797	-3.5930	-3.5914	-3.5682	-3.3117	-3.3073	-3.0916	-2.3236
-0.2223	0.4006	0.5665	0.5792	1.5144	1.5174	1.6263	2.1618
2.2727	2.3629	2.3997	2.4379	2.4535	2.5443	2.5651	2.5827
2.5838	2.8603	2.9599	2.9832	2.9847	3.0014	3.0018	3.2347
3.2386	3.6641						

k = 0.2024-0.3505 0.0000 ( 64812 PWs) bands (ev):

-21.3920	-21.3084	-20.7944	-20.7930	-20.7830	-20.7773	-20.0321	-20.0317
-19.8435	-19.8425	-19.3351	-19.3335	-19.1233	-18.9184	-18.9150	-18.6491
-18.5285	-18.5269	-18.2761	-18.2758	-17.8141	-17.7409	-17.7387	-17.6735
-17.6718	-17.3430	-17.1606	-17.1583	-16.0032	-15.9986	-15.7065	-15.1880
-14.9892	-13.7011	-13.6947	-13.5811	-13.5787	-13.4047	-12.2797	-12.1253
-12.0833	-12.0753	-11.7980	-11.7970	-11.7836	-11.7833	-11.6648	-10.9712
-10.9655	-10.8698	-10.8687	-10.4668	-10.4617	-10.3643	-9.9612	-9.9101
-9.9086	-9.6763	-9.3512	-9.1521	-9.1380	-9.1118	-9.0184	-9.0176
-8.8998	-8.8937	-8.7803	-8.7293	-8.6033	-8.5974	-8.2193	-8.2189
-8.0543	-8.0477	-8.0227	-8.0212	-8.0157	-8.0139	-7.8397	-7.8213
-7.5011	-7.4919	-7.4280	-7.4243	-7.2772	-7.2767	-7.2246	-7.2229
-6.9702	-6.9699	-6.9133	-6.9047	-6.7231	-6.7220	-6.4247	-6.4243
-6.4043	-6.4000	-6.3852	-6.3841	-6.0844	-5.9952	-5.9936	-5.8036
-5.7885	-5.7026	-5.2712	-5.2704	-5.0683	-5.0652	-5.0120	-4.8531
-4.8518	-4.7253	-4.6814	-4.5744	-4.5734	-4.4691	-4.4688	-4.3819
-3.7860	-3.6010	-3.5994	-3.5776	-3.3257	-3.3213	-3.1049	-2.3593
-0.1873	0.4031	0.5869	0.5998	1.4800	1.4830	1.6157	2.1512
2.2708	2.3739	2.3892	2.4527	2.4682	2.5359	2.5567	2.5970
2.5981	2.8499	2.9495	2.9745	2.9749	2.9984	3.0000	3.2501
3.2540	3.6787						

k = 0.1984-0.3437 0.0000 ( 64802 PWs) bands (ev):

-21.3994	-21.3147	-20.7852	-20.7838	-20.7720	-20.7663	-20.0379	-20.0375
-19.8508	-19.8499	-19.3533	-19.3517	-19.1027	-18.9437	-18.9403	-18.6205
-18.5212	-18.5196	-18.2642	-18.2639	-17.8185	-17.7305	-17.7282	-17.6787
-17.6770	-17.3518	-17.1329	-17.1306	-16.0257	-16.0212	-15.7127	-15.2246
-14.9959	-13.6628	-13.6562	-13.6199	-13.6175	-13.3804	-12.2837	-12.1029
-12.0774	-12.0694	-11.8053	-11.8051	-11.7833	-11.7822	-11.6604	-10.9312
-10.9255	-10.8686	-10.8675	-10.4820	-10.4769	-10.3990	-9.9477	-9.8767
-9.8753	-9.7075	-9.3601	-9.1868	-9.1728	-9.1453	-9.0268	-9.0260
-8.8975	-8.8914	-8.7520	-8.7380	-8.5901	-8.5843	-8.2137	-8.2133
-8.0521	-8.0454	-8.0398	-8.0380	-8.0101	-8.0086	-7.8468	-7.8188
-7.5029	-7.4961	-7.4127	-7.4105	-7.2765	-7.2761	-7.2002	-7.1986
-6.9783	-6.9780	-6.9470	-6.9383	-6.7060	-6.7049	-6.4329	-6.4287
-6.4146	-6.4136	-6.4075	-6.4071	-6.0535	-6.0209	-6.0193	-5.8151
-5.7979	-5.6737	-5.2820	-5.2813	-5.0559	-5.0528	-4.9863	-4.8428
-4.8415	-4.7090	-4.6580	-4.5510	-4.5500	-4.4511	-4.4508	-4.3688
-3.7922	-3.6092	-3.6076	-3.5869	-3.3400	-3.3357	-3.1186	-2.3952
-0.1520	0.4055	0.6077	0.6209	1.4459	1.4488	1.6053	2.1409
2.2690	2.3788	2.3853	2.4676	2.4830	2.5275	2.5481	2.6116
2.6127	2.8397	2.9391	2.9482	2.9486	3.0136	3.0152	3.2657
3.2696	3.6933						

k = 0.1944-0.3368 0.0000 ( 64806 PWs) bands (ev):

-21.4067	-21.3209	-20.7759	-20.7745	-20.7608	-20.7551	-20.0437	-20.0432
-19.8580	-19.8570	-19.3715	-19.3699	-19.0821	-18.9688	-18.9654	-18.5917
-18.5138	-18.5123	-18.2524	-18.2521	-17.8229	-17.7199	-17.7176	-17.6840
-17.6823	-17.3609	-17.1051	-17.1028	-16.0482	-16.0437	-15.7187	-15.2613
-15.0024	-13.6590	-13.6565	-13.6240	-13.6176	-13.3559	-12.2876	-12.0803

-12.0715	-12.0634	-11.8267	-11.8264	-11.7683	-11.7673	-11.6558	-10.8911
-10.8853	-10.8675	-10.8663	-10.4971	-10.4920	-10.4336	-9.9340	-9.8432
-9.8418	-9.7386	-9.3689	-9.2218	-9.2079	-9.1787	-9.0349	-9.0342
-8.8953	-8.8894	-8.7465	-8.7241	-8.5766	-8.5710	-8.2084	-8.2080
-8.0640	-8.0622	-8.0499	-8.0432	-7.9973	-7.9957	-7.8723	-7.7981
-7.5074	-7.5022	-7.3958	-7.3934	-7.2759	-7.2754	-7.1760	-7.1745
-6.9863	-6.9860	-6.9809	-6.9723	-6.6890	-6.6879	-6.4615	-6.4573
-6.4443	-6.4432	-6.3905	-6.3901	-6.0465	-6.0449	-6.0233	-5.8266
-5.8066	-5.6448	-5.2929	-5.2922	-5.0433	-5.0403	-4.9610	-4.8324
-4.8312	-4.6929	-4.6349	-4.5277	-4.5268	-4.4332	-4.4329	-4.3560
-3.7984	-3.6177	-3.6161	-3.5959	-3.3547	-3.3504	-3.1327	-2.4311
-0.1167	0.4079	0.6289	0.6423	1.4121	1.4150	1.5951	2.1307
2.2672	2.3686	2.3970	2.4824	2.4976	2.5194	2.5394	2.6265
2.6275	2.8297	2.9222	2.9226	2.9290	3.0290	3.0307	3.2815
3.2855	3.7071						

k = 0.1905-0.3299 0.0000 ( 64806 PWs) bands (ev):

-21.4139	-21.3270	-20.7665	-20.7650	-20.7494	-20.7437	-20.0493	-20.0489
-19.8650	-19.8641	-19.3897	-19.3881	-19.0615	-18.9939	-18.9904	-18.5628
-18.5064	-18.5049	-18.2407	-18.2405	-17.8271	-17.7091	-17.7068	-17.6895
-17.6878	-17.3702	-17.0772	-17.0748	-16.0706	-16.0662	-15.7247	-15.2980
-15.0088	-13.6975	-13.6951	-13.5857	-13.5790	-13.3313	-12.2915	-12.0656
-12.0581	-12.0566	-11.8478	-11.8475	-11.7532	-11.7522	-11.6509	-10.8664
-10.8653	-10.8509	-10.8451	-10.5121	-10.5070	-10.4679	-9.9200	-9.8096
-9.8082	-9.7695	-9.3775	-9.2568	-9.2431	-9.2121	-9.0429	-9.0422
-8.8933	-8.8875	-8.7549	-8.6966	-8.5630	-8.5575	-8.2033	-8.2029
-8.0881	-8.0863	-8.0477	-8.0410	-7.9843	-7.9828	-7.8976	-7.7778
-7.5133	-7.5092	-7.3781	-7.3749	-7.2753	-7.2748	-7.1521	-7.1507
-7.0154	-7.0067	-6.9940	-6.9936	-6.6720	-6.6709	-6.4899	-6.4857
-6.4743	-6.4732	-6.3737	-6.3733	-6.0720	-6.0705	-5.9944	-5.8382
-5.8139	-5.6157	-5.3039	-5.3031	-5.0306	-5.0276	-4.9360	-4.8219
-4.8207	-4.6772	-4.6121	-4.5047	-4.5038	-4.4154	-4.4152	-4.3435
-3.8044	-3.6265	-3.6248	-3.6048	-3.3697	-3.3655	-3.1473	-2.4672
-0.0811	0.4102	0.6504	0.6640	1.3787	1.3815	1.5852	2.1208
2.2654	2.3586	2.4092	2.4957	2.5078	2.5170	2.5311	2.6415
2.6425	2.8199	2.8965	2.8969	2.9189	3.0447	3.0464	3.2976
3.3015	3.7140						

k = 0.1865-0.3230 0.0000 ( 64798 PWs) bands (ev):

-21.4209	-21.3330	-20.7569	-20.7555	-20.7380	-20.7322	-20.0548	-20.0544
-19.8719	-19.8709	-19.4078	-19.4062	-19.0408	-19.0188	-19.0152	-18.5337
-18.4989	-18.4974	-18.2292	-18.2290	-17.8313	-17.6982	-17.6959	-17.6952
-17.6935	-17.3798	-17.0492	-17.0468	-16.0930	-16.0886	-15.7305	-15.3348
-15.0150	-13.7361	-13.7337	-13.5472	-13.5403	-13.3067	-12.2953	-12.0596
-12.0515	-12.0341	-11.8685	-11.8683	-11.7379	-11.7368	-11.6457	-10.8655
-10.8643	-10.8107	-10.8049	-10.5271	-10.5219	-10.5018	-9.9057	-9.8002
-9.7759	-9.7745	-9.3859	-9.2920	-9.2784	-9.2454	-9.0507	-9.0499
-8.8915	-8.8857	-8.7630	-8.6696	-8.5492	-8.5438	-8.1983	-8.1979
-8.1123	-8.1105	-8.0456	-8.0389	-7.9711	-7.9696	-7.9229	-7.7578
-7.5200	-7.5164	-7.3597	-7.3559	-7.2746	-7.2741	-7.1285	-7.1271
-7.0500	-7.0413	-7.0016	-7.0013	-6.6550	-6.6539	-6.5182	-6.5140
-6.5045	-6.5034	-6.3569	-6.3565	-6.0975	-6.0959	-5.9679	-5.8499
-5.8188	-5.5866	-5.3149	-5.3141	-5.0178	-5.0148	-4.9114	-4.8113
-4.8101	-4.6617	-4.5898	-4.4818	-4.4809	-4.3979	-4.3976	-4.3311
-3.8103	-3.6355	-3.6338	-3.6135	-3.3851	-3.3809	-3.1622	-2.5033
-0.0455	0.4124	0.6723	0.6861	1.3456	1.3484	1.5754	2.1111
2.2637	2.3487	2.4217	2.4965	2.5133	2.5227	2.5319	2.6567
2.6578	2.8103	2.8711	2.8715	2.9091	3.0606	3.0623	3.3138
3.3177	3.7076						



k = 0.1825-0.3162 0.0000 ( 64790 PWs)      bands (ev):

-21.4278	-21.3388	-20.7473	-20.7458	-20.7263	-20.7206	-20.0602	-20.0598
-19.8786	-19.8777	-19.4259	-19.4243	-19.0435	-19.0400	-19.0201	-18.5046
-18.4914	-18.4898	-18.2179	-18.2176	-17.8354	-17.7011	-17.6994	-17.6872
-17.6849	-17.3896	-17.0211	-17.0187	-16.1154	-16.1110	-15.7362	-15.3717
-15.0211	-13.7745	-13.7722	-13.5087	-13.5016	-13.2819	-12.2990	-12.0537
-12.0455	-12.0107	-11.8889	-11.8887	-11.7223	-11.7213	-11.6402	-10.8646
-10.8634	-10.7705	-10.7646	-10.5442	-10.5376	-10.5323	-9.8912	-9.8308
-9.7421	-9.7406	-9.3942	-9.3274	-9.3139	-9.2788	-9.0582	-9.0574
-8.8898	-8.8841	-8.7710	-8.6429	-8.5352	-8.5299	-8.1936	-8.1932
-8.1365	-8.1347	-8.0435	-8.0367	-7.9578	-7.9563	-7.9482	-7.7381
-7.5269	-7.5238	-7.3408	-7.3365	-7.2740	-7.2735	-7.1051	-7.1039
-7.0848	-7.0761	-7.0091	-7.0087	-6.6380	-6.6369	-6.5464	-6.5422
-6.5349	-6.5338	-6.3403	-6.3399	-6.1229	-6.1213	-5.9457	-5.8616
-5.8194	-5.5574	-5.3259	-5.3251	-5.0048	-5.0018	-4.8872	-4.8006
-4.7993	-4.6465	-4.5678	-4.4592	-4.4584	-4.3804	-4.3802	-4.3190
-3.8161	-3.6447	-3.6431	-3.6220	-3.4008	-3.3966	-3.1775	-2.5396
-0.0096	0.4145	0.6945	0.7085	1.3129	1.3157	1.5659	2.1016
2.2619	2.3391	2.4346	2.4883	2.5095	2.5326	2.5467	2.6723
2.6733	2.8009	2.8460	2.8464	2.8995	3.0766	3.0784	3.3302
3.3342	3.6987						

k = 0.1786-0.3093 0.0000 ( 64764 PWs)      bands (ev):

-21.4345	-21.3446	-20.7375	-20.7360	-20.7145	-20.7088	-20.0655	-20.0651
-19.8852	-19.8843	-19.4439	-19.4424	-19.0681	-19.0646	-18.9994	-18.4837
-18.4821	-18.4753	-18.2067	-18.2064	-17.8394	-17.7071	-17.7054	-17.6760
-17.6737	-17.3998	-16.9929	-16.9905	-16.1376	-16.1333	-15.7418	-15.4086
-15.0271	-13.8128	-13.8105	-13.4701	-13.4629	-13.2570	-12.3026	-12.0477
-12.0395	-11.9871	-11.9090	-11.9088	-11.7067	-11.7056	-11.6343	-10.8638
-10.8626	-10.7302	-10.7242	-10.5733	-10.5541	-10.5497	-9.8765	-9.8612
-9.7081	-9.7067	-9.4023	-9.3628	-9.3495	-9.3121	-9.0655	-9.0647
-8.8882	-8.8826	-8.7789	-8.6167	-8.5211	-8.5158	-8.1891	-8.1886
-8.1606	-8.1589	-8.0414	-8.0346	-7.9734	-7.9444	-7.9429	-7.7186
-7.5340	-7.5311	-7.3217	-7.3171	-7.2733	-7.2729	-7.1200	-7.1113
-7.0819	-7.0808	-7.0164	-7.0161	-6.6211	-6.6200	-6.5744	-6.5702
-6.5656	-6.5645	-6.3239	-6.3235	-6.1482	-6.1466	-5.9305	-5.8734
-5.8130	-5.5282	-5.3370	-5.3362	-4.9917	-4.9887	-4.8633	-4.7898
-4.7885	-4.6316	-4.5461	-4.4369	-4.4360	-4.3632	-4.3630	-4.3071
-3.8218	-3.6542	-3.6526	-3.6304	-3.4167	-3.4126	-3.1933	-2.5760
0.0263	0.4165	0.7169	0.7312	1.2805	1.2833	1.5565	2.0922
2.2602	2.3297	2.4478	2.4791	2.5004	2.5479	2.5625	2.6879
2.6889	2.7917	2.8213	2.8217	2.8901	3.0929	3.0946	3.3469
3.3508	3.6895						

k = 0.1746-0.3024 0.0000 ( 64760 PWs)      bands (ev):

-21.4410	-21.3502	-20.7276	-20.7261	-20.7026	-20.6969	-20.0707	-20.0703
-19.8916	-19.8907	-19.4619	-19.4603	-19.0926	-19.0890	-18.9786	-18.4760
-18.4744	-18.4459	-18.1956	-18.1954	-17.8433	-17.7133	-17.7116	-17.6647
-17.6624	-17.4101	-16.9646	-16.9621	-16.1598	-16.1556	-15.7472	-15.4455
-15.0330	-13.8510	-13.8487	-13.4316	-13.4242	-13.2319	-12.3062	-12.0418
-12.0335	-11.9633	-11.9287	-11.9285	-11.6908	-11.6898	-11.6281	-10.8630
-10.8619	-10.6899	-10.6838	-10.6068	-10.5686	-10.5642	-9.8915	-9.8616
-9.6741	-9.6726	-9.4103	-9.3983	-9.3851	-9.3453	-9.0725	-9.0718
-8.8868	-8.8812	-8.7865	-8.5909	-8.5068	-8.5015	-8.1849	-8.1846
-8.1843	-8.1830	-8.0394	-8.0326	-7.9986	-7.9308	-7.9292	-7.6995
-7.5412	-7.5384	-7.3025	-7.2976	-7.2727	-7.2722	-7.1553	-7.1466
-7.0592	-7.0582	-7.0236	-7.0232	-6.6044	-6.6037	-6.6017	-6.5979
-6.5966	-6.5954	-6.3077	-6.3073	-6.1734	-6.1718	-5.9238	-5.8852
-5.7980	-5.4989	-5.3482	-5.3474	-4.9784	-4.9754	-4.8399	-4.7788

-4.7776	-4.6170	-4.5249	-4.4148	-4.4140	-4.3460	-4.3459	-4.2955
-3.8273	-3.6640	-3.6623	-3.6385	-3.4330	-3.4289	-3.2094	-2.6124
0.0625	0.4185	0.7396	0.7541	1.2486	1.2513	1.5473	2.0831
2.2584	2.3204	2.4600	2.4709	2.4906	2.5639	2.5787	2.7037
2.7048	2.7828	2.7970	2.7974	2.8809	3.1094	3.1111	3.3637
3.3677	3.6804						

k = 0.1706-0.2956 0.0000 ( 64764 PWs)      bands (ev):

-21.4475	-21.3556	-20.7176	-20.7161	-20.6905	-20.6848	-20.0758	-20.0753
-19.8979	-19.8970	-19.4798	-19.4783	-19.1170	-19.1133	-18.9579	-18.4682
-18.4666	-18.4163	-18.1848	-18.1845	-17.8472	-17.7196	-17.7179	-17.6533
-17.6509	-17.4208	-16.9362	-16.9337	-16.1820	-16.1778	-15.7526	-15.4824
-15.0388	-13.8891	-13.8868	-13.3931	-13.3855	-13.2068	-12.3097	-12.0359
-12.0275	-11.9481	-11.9479	-11.9392	-11.6748	-11.6738	-11.6216	-10.8624
-10.8613	-10.6498	-10.6437	-10.6401	-10.5826	-10.5782	-9.9216	-9.8464
-9.6399	-9.6385	-9.4341	-9.4216	-9.4171	-9.3785	-9.0793	-9.0786
-8.8854	-8.8799	-8.7940	-8.5656	-8.4922	-8.4871	-8.2089	-8.2071
-8.1805	-8.1801	-8.0374	-8.0306	-8.0237	-7.9170	-7.9155	-7.6808
-7.5483	-7.5457	-7.2833	-7.2781	-7.2721	-7.2716	-7.1910	-7.1822
-7.0368	-7.0360	-7.0306	-7.0302	-6.6300	-6.6278	-6.6266	-6.6257
-6.5873	-6.5862	-6.2917	-6.2912	-6.1985	-6.1970	-5.9243	-5.8971
-5.7758	-5.4696	-5.3594	-5.3586	-4.9650	-4.9620	-4.8169	-4.7678
-4.7665	-4.6027	-4.5040	-4.3930	-4.3922	-4.3291	-4.3289	-4.2841
-3.8328	-3.6740	-3.6723	-3.6465	-3.4495	-3.4455	-3.2259	-2.6489
0.0987	0.4203	0.7626	0.7773	1.2170	1.2197	1.5384	2.0742
2.2567	2.3114	2.4574	2.4771	2.4809	2.5803	2.5951	2.7197
2.7208	2.7730	2.7734	2.7740	2.8719	3.1261	3.1278	3.3808
3.3847	3.6717						

k = 0.1667-0.2887 0.0000 ( 64766 PWs)      bands (ev):

-21.4537	-21.3610	-20.7075	-20.7060	-20.6783	-20.6726	-20.0807	-20.0803
-19.9041	-19.9032	-19.4977	-19.4961	-19.1412	-19.1375	-18.9371	-18.4604
-18.4588	-18.3867	-18.1741	-18.1738	-17.8510	-17.7262	-17.7245	-17.6417
-17.6394	-17.4317	-16.9078	-16.9053	-16.2040	-16.1999	-15.7578	-15.5193
-15.0444	-13.9270	-13.9248	-13.3546	-13.3469	-13.1815	-12.3131	-12.0300
-12.0215	-11.9671	-11.9669	-11.9149	-11.6587	-11.6577	-11.6148	-10.8619
-10.8607	-10.6747	-10.6092	-10.6033	-10.5959	-10.5919	-9.9515	-9.8310
-9.6057	-9.6042	-9.4698	-9.4570	-9.4254	-9.4116	-9.0859	-9.0851
-8.8842	-8.8787	-8.8014	-8.5408	-8.4776	-8.4725	-8.2329	-8.2312
-8.1765	-8.1761	-8.0487	-8.0355	-8.0286	-7.9030	-7.9015	-7.6624
-7.5554	-7.5528	-7.2715	-7.2710	-7.2640	-7.2586	-7.2268	-7.2180
-7.0374	-7.0371	-7.0147	-7.0141	-6.6592	-6.6580	-6.6576	-6.6532
-6.5706	-6.5694	-6.2758	-6.2754	-6.2236	-6.2220	-5.9294	-5.9091
-5.7489	-5.4402	-5.3707	-5.3699	-4.9514	-4.9484	-4.7942	-4.7566
-4.7554	-4.5887	-4.4835	-4.3715	-4.3708	-4.3122	-4.3120	-4.2729
-3.8381	-3.6842	-3.6825	-3.6543	-3.4662	-3.4622	-3.2428	-2.6856
0.1352	0.4221	0.7858	0.8007	1.1859	1.1885	1.5296	2.0655
2.2550	2.3026	2.4475	2.4700	2.4917	2.5969	2.6116	2.7358
2.7368	2.7495	2.7498	2.7655	2.8632	3.1430	3.1447	3.3980
3.4020	3.6621						

k = 0.1627-0.2818 0.0000 ( 64782 PWs)      bands (ev):

-21.4599	-21.3662	-20.6972	-20.6958	-20.6659	-20.6602	-20.0855	-20.0851
-19.9101	-19.9092	-19.5155	-19.5139	-19.1653	-19.1616	-18.9163	-18.4525
-18.4509	-18.3569	-18.1635	-18.1633	-17.8546	-17.7328	-17.7311	-17.6300
-17.6276	-17.4429	-16.8792	-16.8767	-16.2260	-16.2219	-15.7629	-15.5563
-15.0499	-13.9649	-13.9627	-13.3161	-13.3082	-13.1561	-12.3165	-12.0241
-12.0156	-11.9858	-11.9856	-11.8904	-11.6425	-11.6415	-11.6077	-10.8615
-10.8603	-10.7085	-10.6101	-10.6057	-10.5684	-10.5621	-9.9813	-9.8155

-9.5713	-9.5699	-9.5055	-9.4929	-9.4453	-9.4322	-9.0922	-9.0914
-8.8831	-8.8777	-8.8085	-8.5164	-8.4627	-8.4576	-8.2569	-8.2552
-8.1727	-8.1722	-8.0737	-8.0335	-8.0267	-7.8890	-7.8874	-7.6443
-7.5624	-7.5599	-7.2709	-7.2704	-7.2632	-7.2545	-7.2442	-7.2388
-7.0441	-7.0437	-6.9931	-6.9928	-6.6909	-6.6896	-6.6849	-6.6804
-6.5538	-6.5527	-6.2602	-6.2598	-6.2486	-6.2470	-5.9372	-5.9211
-5.7193	-5.4109	-5.3820	-5.3812	-4.9377	-4.9347	-4.7720	-4.7454
-4.7441	-4.5750	-4.4635	-4.3505	-4.3498	-4.2954	-4.2953	-4.2620
-3.8433	-3.6946	-3.6929	-3.6619	-3.4832	-3.4793	-3.2601	-2.7223
0.1717	0.4239	0.8092	0.8244	1.1552	1.1578	1.5211	2.0570
2.2533	2.2939	2.4370	2.4594	2.5065	2.6137	2.6284	2.7262
2.7265	2.7522	2.7532	2.7572	2.8546	3.1600	3.1617	3.4155
3.4194	3.6182						

k = 0.1587-0.2749 0.0000 ( 64760 PWs) bands (ev):

-21.4658	-21.3713	-20.6869	-20.6854	-20.6534	-20.6477	-20.0903	-20.0898
-19.9160	-19.9151	-19.5333	-19.5317	-19.1893	-19.1855	-18.8955	-18.4445
-18.4429	-18.3269	-18.1532	-18.1530	-17.8583	-17.7396	-17.7379	-17.6182
-17.6158	-17.4543	-16.8506	-16.8480	-16.2479	-16.2438	-15.7678	-15.5933
-15.0552	-14.0025	-14.0004	-13.2776	-13.2696	-13.1307	-12.3197	-12.0183
-12.0097	-12.0041	-12.0039	-11.8657	-11.6261	-11.6251	-11.6002	-10.8612
-10.8601	-10.7424	-10.6233	-10.6190	-10.5280	-10.5216	-10.0109	-9.7997
-9.5414	-9.5368	-9.5354	-9.5288	-9.4782	-9.4396	-9.0982	-9.0975
-8.8820	-8.8767	-8.8155	-8.4925	-8.4477	-8.4427	-8.2808	-8.2791
-8.1690	-8.1685	-8.0986	-8.0317	-8.0248	-7.8747	-7.8732	-7.6265
-7.5693	-7.5668	-7.2994	-7.2906	-7.2703	-7.2698	-7.2252	-7.2196
-7.0506	-7.0503	-6.9720	-6.9718	-6.7227	-6.7215	-6.7120	-6.7073
-6.5371	-6.5360	-6.2734	-6.2719	-6.2448	-6.2444	-5.9465	-5.9333
-5.6882	-5.3935	-5.3926	-5.3814	-4.9238	-4.9209	-4.7502	-4.7340
-4.7328	-4.5616	-4.4438	-4.3298	-4.3292	-4.2787	-4.2786	-4.2513
-3.8484	-3.7052	-3.7036	-3.6693	-3.5004	-3.4965	-3.2777	-2.7590
0.2084	0.4255	0.8328	0.8482	1.1249	1.1275	1.5127	2.0487
2.2517	2.2855	2.4261	2.4485	2.5218	2.6307	2.6453	2.7034
2.7037	2.7492	2.7687	2.7697	2.8462	3.1773	3.1790	3.4331
3.4371	3.5718						

k = 0.1548-0.2681 0.0000 ( 64754 PWs) bands (ev):

-21.4717	-21.3763	-20.6764	-20.6750	-20.6407	-20.6351	-20.0949	-20.0945
-19.9217	-19.9208	-19.5510	-19.5494	-19.2131	-19.2093	-18.8747	-18.4364
-18.4348	-18.2969	-18.1430	-18.1428	-17.8618	-17.7465	-17.7448	-17.6062
-17.6038	-17.4660	-16.8219	-16.8193	-16.2697	-16.2657	-15.7727	-15.6303
-15.0604	-14.0401	-14.0379	-13.2393	-13.2311	-13.1051	-12.3229	-12.0221
-12.0218	-12.0125	-12.0038	-11.8408	-11.6097	-11.6087	-11.5923	-10.8611
-10.8599	-10.7761	-10.6363	-10.6320	-10.4875	-10.4809	-10.0403	-9.7837
-9.5773	-9.5649	-9.5112	-9.5023	-9.5008	-9.4465	-9.1039	-9.1032
-8.8811	-8.8758	-8.8223	-8.4690	-8.4325	-8.4275	-8.3047	-8.3029
-8.1655	-8.1650	-8.1234	-8.0298	-8.0229	-7.8603	-7.8588	-7.6091
-7.5761	-7.5736	-7.3359	-7.3271	-7.2697	-7.2692	-7.2059	-7.2002
-7.0570	-7.0566	-6.9517	-6.9512	-6.7548	-6.7536	-6.7388	-6.7337
-6.5204	-6.5193	-6.2982	-6.2967	-6.2297	-6.2292	-5.9568	-5.9455
-5.6561	-5.4050	-5.4041	-5.3520	-4.9098	-4.9069	-4.7288	-4.7226
-4.7213	-4.5485	-4.4245	-4.3096	-4.3090	-4.2621	-4.2620	-4.2409
-3.8534	-3.7160	-3.7144	-3.6766	-3.5178	-3.5139	-3.2957	-2.7959
0.2453	0.4271	0.8566	0.8722	1.0951	1.0977	1.5046	2.0406
2.2501	2.2773	2.4149	2.4373	2.5376	2.6478	2.6621	2.6812
2.6814	2.7415	2.7853	2.7863	2.8380	3.1948	3.1965	3.4510
3.4549	3.5255						

k = 0.1508-0.2612 0.0000 ( 64762 PWs) bands (ev):

-21.4774	-21.3812	-20.6659	-20.6644	-20.6279	-20.6223	-20.0994	-20.0990
-19.9273	-19.9264	-19.5686	-19.5670	-19.2368	-19.2329	-18.8539	-18.4283
-18.4267	-18.2667	-18.1330	-18.1328	-17.8652	-17.7536	-17.7519	-17.5941
-17.5917	-17.4779	-16.7931	-16.7905	-16.2914	-16.2874	-15.7774	-15.6672
-15.0655	-14.0775	-14.0754	-13.2010	-13.1926	-13.0793	-12.3260	-12.0396
-12.0394	-12.0067	-11.9980	-11.8157	-11.5931	-11.5921	-11.5842	-10.8610
-10.8599	-10.8098	-10.6491	-10.6449	-10.4469	-10.4402	-10.0696	-9.7675
-9.6132	-9.6010	-9.5443	-9.4677	-9.4662	-9.4533	-9.1094	-9.1087
-8.8802	-8.8750	-8.8289	-8.4461	-8.4171	-8.4121	-8.3284	-8.3267
-8.1621	-8.1616	-8.1482	-8.0280	-8.0211	-7.8458	-7.8442	-7.5921
-7.5828	-7.5803	-7.3726	-7.3638	-7.2692	-7.2687	-7.1867	-7.1809
-7.0632	-7.0628	-6.9325	-6.9312	-6.7871	-6.7858	-6.7651	-6.7595
-6.5037	-6.5026	-6.3229	-6.3214	-6.2148	-6.2143	-5.9678	-5.9578
-5.6233	-5.4165	-5.4157	-5.3225	-4.8956	-4.8927	-4.7111	-4.7098
-4.7078	-4.5358	-4.4056	-4.2900	-4.2895	-4.2454	-4.2454	-4.2307
-3.8583	-3.7270	-3.7254	-3.6836	-3.5354	-3.5315	-3.3141	-2.8328
0.2823	0.4287	0.8806	0.8964	1.0658	1.0683	1.4966	2.0327
2.2485	2.2693	2.4035	2.4260	2.5538	2.6582	2.6587	2.6662
2.6797	2.7343	2.8020	2.8030	2.8301	3.2124	3.2141	3.4690
3.4730	3.4793						

k = 0.1468-0.2543 0.0000 ( 64766 PWs) bands (ev):

-21.4829	-21.3859	-20.6552	-20.6537	-20.6149	-20.6093	-20.1038	-20.1033
-19.9327	-19.9318	-19.5862	-19.5846	-19.2603	-19.2564	-18.8331	-18.4201
-18.4185	-18.2365	-18.1232	-18.1230	-17.8686	-17.7608	-17.7591	-17.5818
-17.5794	-17.4901	-16.7643	-16.7617	-16.3130	-16.3091	-15.7820	-15.7042
-15.0705	-14.1147	-14.1126	-13.1627	-13.1542	-13.0535	-12.3290	-12.0568
-12.0566	-12.0011	-11.9923	-11.7904	-11.5766	-11.5760	-11.5752	-10.8611
-10.8600	-10.8434	-10.6616	-10.6575	-10.4063	-10.3995	-10.0987	-9.7511
-9.6491	-9.6370	-9.5772	-9.4599	-9.4329	-9.4315	-9.1146	-9.1139
-8.8794	-8.8743	-8.8353	-8.4237	-8.4015	-8.3966	-8.3521	-8.3503
-8.1731	-8.1587	-8.1583	-8.0263	-8.0193	-7.8310	-7.8295	-7.5894
-7.5868	-7.5755	-7.4094	-7.4006	-7.2686	-7.2681	-7.1675	-7.1617
-7.0692	-7.0689	-6.9146	-6.9123	-6.8195	-6.8182	-6.7907	-6.7841
-6.4871	-6.4860	-6.3475	-6.3460	-6.2001	-6.1997	-5.9792	-5.9701
-5.5901	-5.4281	-5.4273	-5.2931	-4.8813	-4.8784	-4.6994	-4.6981
-4.6874	-4.5233	-4.3872	-4.2710	-4.2705	-4.2288	-4.2287	-4.2208
-3.8630	-3.7382	-3.7366	-3.6905	-3.5531	-3.5493	-3.3329	-2.8697
0.3195	0.4301	0.9047	0.9206	1.0369	1.0394	1.4889	2.0250
2.2469	2.2615	2.3918	2.4143	2.5704	2.6371	2.6375	2.6830
2.6958	2.7281	2.8187	2.8198	2.8223	3.2303	3.2320	3.4331
3.4873	3.4912						

k = 0.1429-0.2474 0.0000 ( 64722 PWs) bands (ev):

-21.4883	-21.3905	-20.6444	-20.6429	-20.6018	-20.5962	-20.1080	-20.1076
-19.9380	-19.9371	-19.6037	-19.6022	-19.2837	-19.2798	-18.8123	-18.4119
-18.4103	-18.2061	-18.1136	-18.1134	-17.8719	-17.7682	-17.7665	-17.5695
-17.5670	-17.5025	-16.7354	-16.7327	-16.3345	-16.3306	-15.7864	-15.7411
-15.0753	-14.1518	-14.1497	-13.1246	-13.1159	-13.0276	-12.3320	-12.0736
-12.0734	-11.9955	-11.9866	-11.7649	-11.5669	-11.5598	-11.5588	-10.8769
-10.8614	-10.8602	-10.6739	-10.6698	-10.3656	-10.3587	-10.1276	-9.7345
-9.6850	-9.6731	-9.6101	-9.4663	-9.3981	-9.3966	-9.1195	-9.1188
-8.8787	-8.8736	-8.8415	-8.4018	-8.3857	-8.3809	-8.3756	-8.3739
-8.1978	-8.1557	-8.1553	-8.0245	-8.0176	-7.8162	-7.8146	-7.5959
-7.5933	-7.5592	-7.4464	-7.4375	-7.2680	-7.2676	-7.1485	-7.1425
-7.0751	-7.0747	-6.8996	-6.8954	-6.8521	-6.8509	-6.8143	-6.8062
-6.4705	-6.4694	-6.3720	-6.3705	-6.1857	-6.1853	-5.9909	-5.9826
-5.5564	-5.4398	-5.4390	-5.2635	-4.8669	-4.8640	-4.6876	-4.6864
-4.6673	-4.5112	-4.3691	-4.2526	-4.2522	-4.2120	-4.2118	-4.2111
-3.8677	-3.7496	-3.7480	-3.6972	-3.5710	-3.5672	-3.3520	-2.9068

0.3568	0.4315	0.9289	0.9451	1.0086	1.0110	1.4813	2.0175
2.2453	2.2540	2.3799	2.4024	2.5873	2.6161	2.6165	2.7001
2.7084	2.7268	2.8148	2.8356	2.8367	3.2483	3.2501	3.3870
3.5058	3.5097						

k = 0.1389-0.2406 0.0000 ( 64732 PWs) bands (ev):

-21.4935	-21.3950	-20.6335	-20.6320	-20.5886	-20.5830	-20.1122	-20.1117
-19.9431	-19.9422	-19.6212	-19.6196	-19.3070	-19.3030	-18.7915	-18.4036
-18.4020	-18.1755	-18.1042	-18.1040	-17.8751	-17.7756	-17.7739	-17.5569
-17.5545	-17.5152	-16.7064	-16.7037	-16.3560	-16.3521	-15.7908	-15.7780
-15.0801	-14.1887	-14.1867	-13.0866	-13.0778	-13.0015	-12.3349	-12.0900
-12.0898	-11.9900	-11.9810	-11.7393	-11.5577	-11.5431	-11.5421	-10.9103
-10.8618	-10.8606	-10.6859	-10.6819	-10.3250	-10.3179	-10.1563	-9.7209
-9.7177	-9.7092	-9.6430	-9.4724	-9.3632	-9.3617	-9.1242	-9.1234
-8.8780	-8.8731	-8.8476	-8.3990	-8.3973	-8.3804	-8.3698	-8.3650
-8.2224	-8.1527	-8.1523	-8.0229	-8.0159	-7.8011	-7.7996	-7.6024
-7.5998	-7.5433	-7.4835	-7.4745	-7.2675	-7.2670	-7.1295	-7.1236
-7.0808	-7.0804	-6.8915	-6.8850	-6.8845	-6.8837	-6.8321	-6.8216
-6.4540	-6.4529	-6.3965	-6.3949	-6.1716	-6.1711	-6.0029	-5.9951
-5.5225	-5.4516	-5.4507	-5.2340	-4.8523	-4.8495	-4.6758	-4.6746
-4.6478	-4.4993	-4.3515	-4.2350	-4.2347	-4.2017	-4.1952	-4.1949
-3.8722	-3.7612	-3.7596	-3.7037	-3.5891	-3.5853	-3.3714	-2.9439
0.3942	0.4329	0.9532	0.9695	0.9808	0.9832	1.4740	2.0102
2.2438	2.2466	2.3678	2.3903	2.5954	2.5957	2.6048	2.7060
2.7201	2.7380	2.8075	2.8526	2.8536	3.2666	3.2683	3.3410
3.5244	3.5283						

k = 0.1349-0.2337 0.0000 ( 64734 PWs) bands (ev):

-21.4986	-21.3993	-20.6225	-20.6210	-20.5752	-20.5696	-20.1162	-20.1158
-19.9481	-19.9472	-19.6386	-19.6370	-19.3301	-19.3261	-18.7707	-18.3952
-18.3936	-18.1449	-18.0950	-18.0948	-17.8782	-17.7832	-17.7815	-17.5443
-17.5418	-17.5281	-16.6774	-16.6747	-16.3773	-16.3734	-15.8149	-15.7950
-15.0846	-14.2255	-14.2235	-13.0487	-13.0397	-12.9753	-12.3377	-12.1060
-12.1058	-11.9845	-11.9755	-11.7134	-11.5482	-11.5263	-11.5253	-10.9437
-10.8623	-10.8612	-10.6976	-10.6937	-10.2843	-10.2770	-10.1848	-9.7567
-9.7452	-9.7008	-9.6759	-9.4784	-9.3282	-9.3267	-9.1285	-9.1277
-8.8774	-8.8726	-8.8534	-8.4222	-8.4205	-8.3596	-8.3536	-8.3489
-8.2469	-8.1499	-8.1494	-8.0212	-8.0142	-7.7859	-7.7844	-7.6092
-7.6064	-7.5278	-7.5204	-7.5113	-7.2669	-7.2665	-7.1108	-7.1048
-7.0863	-7.0859	-6.9180	-6.9167	-6.8968	-6.8901	-6.8337	-6.8238
-6.4375	-6.4364	-6.4208	-6.4192	-6.1578	-6.1573	-6.0151	-6.0078
-5.4884	-5.4634	-5.4625	-5.2045	-4.8376	-4.8348	-4.6638	-4.6626
-4.6287	-4.4878	-4.3344	-4.2181	-4.2178	-4.1925	-4.1782	-4.1778
-3.8766	-3.7729	-3.7713	-3.7100	-3.6073	-3.6036	-3.3912	-2.9810
0.4318	0.4342	0.9534	0.9558	0.9777	0.9943	1.4669	2.0032
2.2394	2.2423	2.3553	2.3779	2.5752	2.5755	2.6225	2.7010
2.7378	2.7547	2.8003	2.8696	2.8707	3.2850	3.2867	3.2953
3.5432	3.5471						

k = 0.1310-0.2268 0.0000 ( 64746 PWs) bands (ev):

-21.5036	-21.4035	-20.6114	-20.6099	-20.5616	-20.5561	-20.1201	-20.1197
-19.9530	-19.9521	-19.6559	-19.6543	-19.3531	-19.3491	-18.7499	-18.3868
-18.3852	-18.1141	-18.0860	-18.0858	-17.8812	-17.7909	-17.7892	-17.5412
-17.5315	-17.5290	-16.6484	-16.6456	-16.3985	-16.3947	-15.8518	-15.7991
-15.0891	-14.2620	-14.2601	-13.0110	-13.0018	-12.9490	-12.3404	-12.1216
-12.1214	-11.9792	-11.9701	-11.6874	-11.5383	-11.5095	-11.5085	-10.9769
-10.8631	-10.8619	-10.7090	-10.7052	-10.2436	-10.2361	-10.2132	-9.7925
-9.7812	-9.7086	-9.6837	-9.4841	-9.2931	-9.2916	-9.1325	-9.1317
-8.8768	-8.8724	-8.8589	-8.4453	-8.4436	-8.3397	-8.3370	-8.3326

-8.2714	-8.1471	-8.1467	-8.0196	-8.0126	-7.7706	-7.7691	-7.6166
-7.6134	-7.5568	-7.5475	-7.5126	-7.2664	-7.2659	-7.0945	-7.0923
-7.0892	-7.0854	-6.9511	-6.9498	-6.9139	-6.9092	-6.8218	-6.8145
-6.4450	-6.4435	-6.4211	-6.4200	-6.1442	-6.1438	-6.0275	-6.0205
-5.4753	-5.4744	-5.4540	-5.1749	-4.8228	-4.8199	-4.6518	-4.6506
-4.6100	-4.4766	-4.3177	-4.2019	-4.2018	-4.1836	-4.1611	-4.1606
-3.8809	-3.7849	-3.7832	-3.7162	-3.6256	-3.6219	-3.4113	-3.0182
0.4354	0.4696	0.9267	0.9291	1.0021	1.0189	1.4600	1.9963
2.2324	2.2407	2.3427	2.3653	2.5554	2.5558	2.6406	2.6949
2.7561	2.7725	2.7935	2.8867	2.8877	3.2493	3.3037	3.3054
3.5620	3.5659						

k = 0.1270-0.2199 0.0000 ( 64750 PWs) bands (ev):

-21.5084	-21.4076	-20.6001	-20.5986	-20.5480	-20.5424	-20.1239	-20.1235
-19.9577	-19.9568	-19.6732	-19.6716	-19.3760	-19.3719	-18.7291	-18.3783
-18.3767	-18.0832	-18.0772	-18.0770	-17.8842	-17.7987	-17.7970	-17.5546
-17.5186	-17.5161	-16.6193	-16.6165	-16.4196	-16.4158	-15.8886	-15.8031
-15.0934	-14.2984	-14.2965	-12.9735	-12.9641	-12.9226	-12.3430	-12.1368
-12.1366	-11.9740	-11.9648	-11.6613	-11.5281	-11.4927	-11.4917	-11.0101
-10.8639	-10.8628	-10.7201	-10.7163	-10.2414	-10.2029	-10.1952	-9.8283
-9.8171	-9.7414	-9.6664	-9.4897	-9.2580	-9.2565	-9.1361	-9.1354
-8.8764	-8.8725	-8.8639	-8.4682	-8.4666	-8.3217	-8.3190	-8.3160
-8.2959	-8.1446	-8.1441	-8.0181	-8.0111	-7.7551	-7.7536	-7.6268
-7.6226	-7.5907	-7.5814	-7.4979	-7.2659	-7.2654	-7.0974	-7.0970
-7.0733	-7.0676	-6.9845	-6.9831	-6.9357	-6.9322	-6.8061	-6.8004
-6.4691	-6.4676	-6.4047	-6.4036	-6.1310	-6.1306	-6.0401	-6.0334
-5.4873	-5.4864	-5.4195	-5.1454	-4.8078	-4.8050	-4.6397	-4.6384
-4.5919	-4.4657	-4.3014	-4.1865	-4.1864	-4.1749	-4.1439	-4.1434
-3.8850	-3.7969	-3.7953	-3.7222	-3.6440	-3.6404	-3.4318	-3.0554
0.4366	0.5075	0.9005	0.9028	1.0267	1.0437	1.4532	1.9896
2.2257	2.2392	2.3298	2.3524	2.5360	2.5364	2.6592	2.6887
2.7747	2.7860	2.7917	2.9038	2.9049	3.2036	3.3225	3.3242
3.5795	3.5825						

k = 0.1230-0.2131 0.0000 ( 64730 PWs) bands (ev):

-21.5130	-21.4116	-20.5888	-20.5873	-20.5341	-20.5286	-20.1276	-20.1272
-19.9623	-19.9614	-19.6903	-19.6888	-19.3987	-19.3946	-18.7083	-18.3697
-18.3682	-18.0687	-18.0685	-18.0522	-17.8870	-17.8066	-17.8049	-17.5682
-17.5055	-17.5030	-16.5902	-16.5874	-16.4406	-16.4369	-15.9254	-15.8070
-15.0976	-14.3346	-14.3328	-12.9361	-12.9265	-12.8960	-12.3456	-12.1516
-12.1514	-11.9690	-11.9597	-11.6350	-11.5176	-11.4759	-11.4749	-11.0431
-10.8650	-10.8639	-10.7309	-10.7272	-10.2694	-10.1622	-10.1542	-9.8639
-9.8530	-9.7740	-9.6489	-9.4950	-9.2227	-9.2212	-9.1395	-9.1387
-8.8760	-8.8739	-8.8675	-8.4910	-8.4893	-8.3203	-8.3049	-8.3009
-8.2985	-8.1421	-8.1416	-8.0166	-8.0095	-7.7395	-7.7380	-7.6469
-7.6414	-7.6135	-7.6068	-7.4835	-7.2654	-7.2650	-7.1024	-7.1020
-7.0558	-7.0502	-7.0180	-7.0166	-6.9586	-6.9557	-6.7895	-6.7849
-6.4931	-6.4916	-6.3884	-6.3873	-6.1181	-6.1176	-6.0529	-6.0463
-5.4993	-5.4984	-5.3848	-5.1158	-4.7927	-4.7899	-4.6274	-4.6262
-4.5742	-4.4552	-4.2855	-4.1718	-4.1717	-4.1665	-4.1268	-4.1262
-3.8890	-3.8091	-3.8075	-3.7280	-3.6625	-3.6589	-3.4526	-3.0927
0.4377	0.5455	0.8749	0.8772	1.0513	1.0685	1.4467	1.9832
2.2191	2.2378	2.3166	2.3393	2.5172	2.5176	2.6781	2.6825
2.7800	2.7936	2.8099	2.9210	2.9220	3.1580	3.3416	3.3433
3.5798	3.5802						

k = 0.1190-0.2062 0.0000 ( 64710 PWs) bands (ev):

-21.5175	-21.4155	-20.5773	-20.5758	-20.5202	-20.5147	-20.1312	-20.1308
-19.9667	-19.9658	-19.7075	-19.7059	-19.4213	-19.4172	-18.6875	-18.3611

-18.3596	-18.0603	-18.0602	-18.0211	-17.8898	-17.8147	-17.8130	-17.5820
-17.4923	-17.4898	-16.5611	-16.5582	-16.4615	-16.4578	-15.9621	-15.8107
-15.1016	-14.3706	-14.3688	-12.8990	-12.8892	-12.8693	-12.3481	-12.1660
-12.1658	-11.9640	-11.9547	-11.6085	-11.5067	-11.4591	-11.4581	-11.0761
-10.8662	-10.8651	-10.7413	-10.7377	-10.2971	-10.1216	-10.1132	-9.8995
-9.8887	-9.8066	-9.6312	-9.5000	-9.1874	-9.1860	-9.1425	-9.1417
-8.8777	-8.8754	-8.8688	-8.5135	-8.5119	-8.3445	-8.2881	-8.2837
-8.2802	-8.1397	-8.1392	-8.0151	-8.0081	-7.7237	-7.7222	-7.6797
-7.6729	-7.6236	-7.6196	-7.4695	-7.2649	-7.2645	-7.1073	-7.1069
-7.0516	-7.0503	-7.0402	-7.0352	-6.9800	-6.9777	-6.7729	-6.7689
-6.5170	-6.5155	-6.3721	-6.3710	-6.1055	-6.1051	-6.0658	-6.0594
-5.5114	-5.5105	-5.3500	-5.0862	-4.7774	-4.7746	-4.6151	-4.6139
-4.5570	-4.4449	-4.2701	-4.1583	-4.1577	-4.1576	-4.1098	-4.1092
-3.8929	-3.8215	-3.8199	-3.7336	-3.6811	-3.6776	-3.4737	-3.1300
0.4388	0.5837	0.8499	0.8522	1.0760	1.0934	1.4404	1.9769
2.2128	2.2364	2.3032	2.3259	2.4989	2.4993	2.6765	2.6974
2.7737	2.8126	2.8287	2.9382	2.9392	3.1125	3.3608	3.3625
3.5738	3.5744						

k = 0.1151-0.1993 0.0000 ( 64732 PWs) bands (ev):

-21.5219	-21.4192	-20.5658	-20.5642	-20.5061	-20.5006	-20.1347	-20.1342
-19.9709	-19.9701	-19.7245	-19.7230	-19.4437	-19.4396	-18.6668	-18.3525
-18.3509	-18.0522	-18.0520	-17.9898	-17.8925	-17.8228	-17.8211	-17.5961
-17.4790	-17.4764	-16.5320	-16.5290	-16.4823	-16.4787	-15.9989	-15.8143
-15.1056	-14.4064	-14.4046	-12.8621	-12.8521	-12.8424	-12.3505	-12.1800
-12.1798	-11.9593	-11.9498	-11.5818	-11.4954	-11.4423	-11.4414	-11.1090
-10.8677	-10.8666	-10.7514	-10.7478	-10.3247	-10.0809	-10.0721	-9.9349
-9.9243	-9.8392	-9.6134	-9.5049	-9.1521	-9.1506	-9.1451	-9.1444
-8.8821	-8.8751	-8.8691	-8.5359	-8.5342	-8.3688	-8.2711	-8.2667
-8.2622	-8.1375	-8.1370	-8.0137	-8.0066	-7.7165	-7.7094	-7.7076
-7.7059	-7.6303	-7.6272	-7.4560	-7.2645	-7.2640	-7.1120	-7.1117
-7.0854	-7.0841	-7.0333	-7.0304	-6.9930	-6.9897	-6.7565	-6.7529
-6.5408	-6.5393	-6.3558	-6.3547	-6.0933	-6.0928	-6.0788	-6.0725
-5.5237	-5.5228	-5.3150	-5.0567	-4.7620	-4.7592	-4.6027	-4.6015
-4.5403	-4.4350	-4.2552	-4.1504	-4.1442	-4.1441	-4.0929	-4.0922
-3.8967	-3.8340	-3.8324	-3.7390	-3.6998	-3.6963	-3.4951	-3.1674
0.4398	0.6220	0.8254	0.8277	1.1006	1.1182	1.4343	1.9708
2.2067	2.2349	2.2896	2.3122	2.4810	2.4814	2.6706	2.7170
2.7676	2.8318	2.8479	2.9553	2.9563	3.0673	3.3802	3.3819
3.5678	3.5685						

k = 0.1111-0.1925 0.0000 ( 64778 PWs) bands (ev):

-21.5261	-21.4228	-20.5541	-20.5526	-20.4918	-20.4863	-20.1380	-20.1376
-19.9751	-19.9742	-19.7415	-19.7400	-19.4660	-19.4619	-18.6461	-18.3438
-18.3422	-18.0443	-18.0442	-17.9585	-17.8951	-17.8310	-17.8293	-17.6104
-17.4655	-17.4630	-16.5050	-16.5013	-16.5003	-16.4985	-16.0355	-15.8178
-15.1094	-14.4420	-14.4402	-12.8258	-12.8163	-12.8141	-12.3528	-12.1935
-12.1933	-11.9547	-11.9452	-11.5550	-11.4839	-11.4256	-11.4247	-11.1418
-10.8694	-10.8682	-10.7611	-10.7576	-10.3521	-10.0404	-10.0311	-9.9701
-9.9597	-9.8717	-9.5955	-9.5094	-9.1475	-9.1467	-9.1166	-9.1152
-8.8868	-8.8748	-8.8690	-8.5580	-8.5563	-8.3929	-8.2541	-8.2496
-8.2445	-8.1353	-8.1349	-8.0123	-8.0052	-7.7543	-7.7466	-7.6917
-7.6902	-7.6359	-7.6332	-7.4428	-7.2640	-7.2635	-7.1194	-7.1180
-7.1167	-7.1163	-7.0468	-7.0440	-6.9873	-6.9818	-6.7404	-6.7372
-6.5645	-6.5630	-6.3397	-6.3385	-6.0920	-6.0858	-6.0814	-6.0809
-5.5360	-5.5351	-5.2800	-5.0271	-4.7465	-4.7437	-4.5902	-4.5890
-4.5241	-4.4254	-4.2407	-4.1428	-4.1312	-4.1311	-4.0762	-4.0755
-3.9004	-3.8467	-3.8451	-3.7444	-3.7185	-3.7151	-3.5168	-3.2048
0.4407	0.6604	0.8017	0.8039	1.1253	1.1431	1.4284	1.9650
2.2007	2.2335	2.2757	2.2983	2.4637	2.4641	2.6648	2.7370

2.7617	2.8512	2.8673	2.9720	2.9733	3.0227	3.3998	3.4015
3.5619	3.5626						

k = 0.1071-0.1856 0.0000 ( 64730 PWs)      bands (ev):

-21.5301	-21.4263	-20.5423	-20.5408	-20.4774	-20.4720	-20.1412	-20.1408
-19.9791	-19.9782	-19.7584	-19.7569	-19.4882	-19.4840	-18.6253	-18.3350
-18.3334	-18.0367	-18.0365	-17.9270	-17.8976	-17.8393	-17.8376	-17.6249
-17.4519	-17.4493	-16.5238	-16.5200	-16.4736	-16.4706	-16.0721	-15.8212
-15.1130	-14.4773	-14.4756	-12.7918	-12.7859	-12.7783	-12.3550	-12.2066
-12.2065	-11.9504	-11.9407	-11.5281	-11.4720	-11.4089	-11.4080	-11.1745
-10.8712	-10.8701	-10.7703	-10.7669	-10.3793	-10.0055	-9.9996	-9.9950
-9.9899	-9.9041	-9.5773	-9.5137	-9.1494	-9.1486	-9.0811	-9.0797
-8.8914	-8.8745	-8.8689	-8.5799	-8.5782	-8.4170	-8.2368	-8.2324
-8.2274	-8.1333	-8.1328	-8.0110	-8.0039	-7.7926	-7.7847	-7.6755
-7.6740	-7.6410	-7.6384	-7.4301	-7.2636	-7.2631	-7.1535	-7.1521
-7.1211	-7.1208	-7.0691	-7.0661	-6.9722	-6.9662	-6.7247	-6.7218
-6.5881	-6.5866	-6.3235	-6.3224	-6.1052	-6.0991	-6.0699	-6.0694
-5.5483	-5.5474	-5.2448	-4.9975	-4.7309	-4.7281	-4.5776	-4.5765
-4.5085	-4.4161	-4.2267	-4.1354	-4.1187	-4.1186	-4.0598	-4.0591
-3.9039	-3.8595	-3.8579	-3.7498	-3.7371	-3.7338	-3.5389	-3.2422
0.4417	0.6990	0.7785	0.7807	1.1500	1.1680	1.4227	1.9594
2.1950	2.2320	2.2618	2.2841	2.4469	2.4473	2.6593	2.7561
2.7574	2.8708	2.8869	2.9725	2.9903	2.9945	3.4196	3.4213
3.5563	3.5570						

k = 0.1032-0.1787 0.0000 ( 64728 PWs)      bands (ev):

-21.5341	-21.4296	-20.5304	-20.5289	-20.4629	-20.4574	-20.1443	-20.1439
-19.9829	-19.9820	-19.7753	-19.7737	-19.5103	-19.5060	-18.6047	-18.3262
-18.3246	-18.0293	-18.0291	-17.9000	-17.8954	-17.8477	-17.8460	-17.6396
-17.4382	-17.4356	-16.5442	-16.5405	-16.4445	-16.4415	-16.1087	-15.8244
-15.1165	-14.5124	-14.5107	-12.7630	-12.7515	-12.7420	-12.3572	-12.2193
-12.2191	-11.9463	-11.9365	-11.5010	-11.4597	-11.3923	-11.3914	-11.2070
-10.8733	-10.8721	-10.7792	-10.7759	-10.4063	-10.0401	-10.0301	-9.9595
-9.9489	-9.9365	-9.5590	-9.5176	-9.1510	-9.1502	-9.0456	-9.0441
-8.8959	-8.8742	-8.8687	-8.6015	-8.5999	-8.4410	-8.2194	-8.2151
-8.2108	-8.1313	-8.1308	-8.0097	-8.0026	-7.8311	-7.8232	-7.6593
-7.6579	-7.6456	-7.6432	-7.4178	-7.2631	-7.2627	-7.1877	-7.1863
-7.1255	-7.1252	-7.0931	-7.0901	-6.9550	-6.9489	-6.7095	-6.7068
-6.6116	-6.6101	-6.3074	-6.3063	-6.1186	-6.1126	-6.0587	-6.0582
-5.5607	-5.5598	-5.2094	-4.9680	-4.7151	-4.7124	-4.5650	-4.5638
-4.4933	-4.4072	-4.2132	-4.1283	-4.1067	-4.1066	-4.0438	-4.0430
-3.9073	-3.8724	-3.8708	-3.7581	-3.7541	-3.7511	-3.5612	-3.2796
0.4426	0.7377	0.7561	0.7582	1.1747	1.1929	1.4172	1.9539
2.1895	2.2302	2.2478	2.2697	2.4307	2.4310	2.6540	2.7506
2.7781	2.8905	2.9067	2.9301	3.0074	3.0091	3.4396	3.4413
3.5508	3.5516						

k = 0.0992-0.1718 0.0000 ( 64752 PWs)      bands (ev):

-21.5378	-21.4328	-20.5184	-20.5169	-20.4482	-20.4428	-20.1473	-20.1469
-19.9866	-19.9857	-19.7920	-19.7905	-19.5322	-19.5279	-18.5840	-18.3174
-18.3158	-18.0221	-18.0220	-17.9023	-17.8637	-17.8562	-17.8545	-17.6545
-17.4243	-17.4217	-16.5645	-16.5609	-16.4155	-16.4124	-16.1452	-15.8276
-15.1199	-14.5472	-14.5456	-12.7354	-12.7159	-12.7060	-12.3593	-12.2315
-12.2314	-11.9424	-11.9325	-11.4737	-11.4471	-11.3758	-11.3748	-11.2395
-10.8756	-10.8745	-10.7876	-10.7844	-10.4331	-10.0747	-10.0650	-9.9688
-9.9193	-9.9078	-9.5406	-9.5212	-9.1522	-9.1514	-9.0100	-9.0085
-8.9003	-8.8740	-8.8686	-8.6229	-8.6213	-8.4649	-8.2020	-8.1978
-8.1946	-8.1295	-8.1290	-8.0084	-8.0014	-7.8699	-7.8620	-7.6513
-7.6492	-7.6415	-7.6401	-7.4060	-7.2627	-7.2623	-7.2220	-7.2206



-7.1299	-7.1295	-7.1176	-7.1144	-6.9372	-6.9310	-6.6948	-6.6923
-6.6349	-6.6334	-6.2914	-6.2903	-6.1321	-6.1261	-6.0479	-6.0474
-5.5732	-5.5723	-5.1740	-4.9384	-4.6992	-4.6965	-4.5523	-4.5511
-4.4787	-4.3986	-4.2001	-4.1214	-4.0952	-4.0950	-4.0281	-4.0273
-3.9106	-3.8855	-3.8838	-3.7757	-3.7721	-3.7580	-3.5838	-3.3171
0.4434	0.7342	0.7364	0.7767	1.1994	1.2177	1.4119	1.9487
2.1842	2.2263	2.2357	2.2551	2.4149	2.4152	2.6488	2.7453
2.7992	2.8852	2.9108	2.9267	3.0246	3.0260	3.4597	3.4614
3.5455	3.5463						

k = 0.0952-0.1650 0.0000 ( 64778 PWs) bands (ev):

-21.5414	-21.4359	-20.5063	-20.5048	-20.4333	-20.4279	-20.1502	-20.1498
-19.9902	-19.9893	-19.8087	-19.8072	-19.5539	-19.5497	-18.5634	-18.3085
-18.3069	-18.0152	-18.0150	-17.9046	-17.8647	-17.8631	-17.8318	-17.6696
-17.4103	-17.4077	-16.5848	-16.5812	-16.3865	-16.3834	-16.1817	-15.8306
-15.1232	-14.5817	-14.5802	-12.7080	-12.6805	-12.6703	-12.3613	-12.2433
-12.2432	-11.9388	-11.9288	-11.4464	-11.4342	-11.3594	-11.3584	-11.2720
-10.8781	-10.8770	-10.7955	-10.7924	-10.4596	-10.1091	-10.0996	-10.0010
-9.8793	-9.8666	-9.5243	-9.5220	-9.1530	-9.1522	-8.9743	-8.9728
-8.9045	-8.8738	-8.8684	-8.6440	-8.6424	-8.4888	-8.1844	-8.1808
-8.1784	-8.1277	-8.1272	-8.0072	-8.0002	-7.9088	-7.9008	-7.6553
-7.6529	-7.6254	-7.6239	-7.3945	-7.2624	-7.2619	-7.2564	-7.2551
-7.1433	-7.1405	-7.1329	-7.1322	-6.9193	-6.9130	-6.6806	-6.6784
-6.6580	-6.6565	-6.2754	-6.2743	-6.1458	-6.1398	-6.0374	-6.0369
-5.5858	-5.5848	-5.1385	-4.9089	-4.6832	-4.6805	-4.5394	-4.5383
-4.4646	-4.3903	-4.1875	-4.1148	-4.0841	-4.0839	-4.0128	-4.0120
-3.9138	-3.8986	-3.8970	-3.7945	-3.7909	-3.7628	-3.6068	-3.3545
0.4442	0.7131	0.7152	0.8156	1.2240	1.2425	1.4068	1.9437
2.1791	2.2152	2.2303	2.2404	2.3997	2.4001	2.6439	2.7402
2.8206	2.8404	2.9309	2.9469	3.0418	3.0431	3.4801	3.4818
3.5405	3.5413						

k = 0.0913-0.1581 0.0000 ( 64764 PWs) bands (ev):

-21.5449	-21.4389	-20.4941	-20.4926	-20.4184	-20.4130	-20.1530	-20.1526
-19.9936	-19.9927	-19.8254	-19.8238	-19.5755	-19.5712	-18.5428	-18.2995
-18.2979	-18.0085	-18.0084	-17.9068	-17.8734	-17.8717	-17.7999	-17.6849
-17.3962	-17.3935	-16.6049	-16.6013	-16.3576	-16.3544	-16.2180	-15.8335
-15.1264	-14.6159	-14.6144	-12.6805	-12.6454	-12.6350	-12.3632	-12.2547
-12.2545	-11.9355	-11.9254	-11.4210	-11.4188	-11.3431	-11.3421	-11.3043
-10.8809	-10.8798	-10.8029	-10.7999	-10.4860	-10.1432	-10.1339	-10.0332
-9.8397	-9.8255	-9.5269	-9.5033	-9.1534	-9.1526	-8.9386	-8.9371
-8.9085	-8.8736	-8.8683	-8.6648	-8.6632	-8.5126	-8.1671	-8.1647
-8.1614	-8.1260	-8.1256	-8.0061	-7.9990	-7.9479	-7.9398	-7.6594
-7.6570	-7.6086	-7.6071	-7.3835	-7.2911	-7.2897	-7.2619	-7.2614
-7.1679	-7.1648	-7.1371	-7.1367	-6.9012	-6.8950	-6.6818	-6.6803
-6.6664	-6.6640	-6.2595	-6.2584	-6.1595	-6.1535	-6.0273	-6.0268
-5.5984	-5.5975	-5.1029	-4.8794	-4.6671	-4.6644	-4.5265	-4.5254
-4.4510	-4.3823	-4.1754	-4.1085	-4.0735	-4.0732	-3.9979	-3.9971
-3.9169	-3.9119	-3.9103	-3.8133	-3.8099	-3.7672	-3.6300	-3.3920
0.4449	0.6927	0.6948	0.8548	1.2486	1.2673	1.4020	1.9388
2.1742	2.2008	2.2237	2.2299	2.3851	2.3854	2.6391	2.7354
2.7957	2.8423	2.9513	2.9673	3.0589	3.0601	3.5006	3.5023
3.5357	3.5365						

k = 0.0873-0.1512 0.0000 ( 64776 PWs) bands (ev):

-21.5482	-21.4418	-20.4818	-20.4803	-20.4032	-20.3979	-20.1556	-20.1552
-19.9968	-19.9960	-19.8419	-19.8404	-19.5970	-19.5927	-18.5222	-18.2906
-18.2889	-18.0021	-18.0020	-17.9088	-17.8821	-17.8804	-17.7678	-17.7005
-17.3819	-17.3792	-16.6249	-16.6214	-16.3289	-16.3256	-16.2543	-15.8362

-15.1294	-14.6498	-14.6484	-12.6530	-12.6107	-12.6000	-12.3650	-12.2656
-12.2654	-11.9325	-11.9223	-11.4073	-11.3912	-11.3365	-11.3269	-11.3260
-10.8839	-10.8828	-10.8099	-10.8069	-10.5121	-10.1770	-10.1679	-10.0653
-9.8006	-9.7843	-9.5287	-9.4844	-9.1534	-9.1526	-8.9124	-8.9028
-8.9013	-8.8734	-8.8682	-8.6853	-8.6837	-8.5363	-8.1515	-8.1480
-8.1439	-8.1244	-8.1240	-8.0051	-7.9981	-7.9868	-7.9787	-7.6634
-7.6610	-7.5917	-7.5901	-7.3730	-7.3258	-7.3244	-7.2615	-7.2611
-7.1926	-7.1895	-7.1408	-7.1404	-6.8832	-6.8769	-6.7046	-6.7031
-6.6533	-6.6511	-6.2436	-6.2425	-6.1733	-6.1674	-6.0176	-6.0171
-5.6112	-5.6102	-5.0671	-4.8499	-4.6509	-4.6481	-4.5135	-4.5124
-4.4380	-4.3747	-4.1638	-4.1024	-4.0633	-4.0630	-3.9835	-3.9827
-3.9254	-3.9238	-3.9197	-3.8322	-3.8288	-3.7714	-3.6534	-3.4295
0.4457	0.6730	0.6751	0.8941	1.2731	1.2919	1.3973	1.9342
2.1696	2.1855	2.2089	2.2279	2.3709	2.3713	2.6346	2.7307
2.7510	2.8644	2.9719	2.9879	3.0760	3.0772	3.5210	3.5225
3.5312	3.5324						

k = 0.0833-0.1443 0.0000 ( 64826 PWs) bands (ev):

-21.5514	-21.4445	-20.4693	-20.4678	-20.3880	-20.3826	-20.1582	-20.1577
-20.0000	-19.9991	-19.8584	-19.8568	-19.6184	-19.6140	-18.5016	-18.2815
-18.2799	-17.9960	-17.9958	-17.9108	-17.8909	-17.8892	-17.7356	-17.7162
-17.3675	-17.3648	-16.6448	-16.6413	-16.3006	-16.2975	-16.2896	-15.8389
-15.1322	-14.6834	-14.6819	-12.6253	-12.5764	-12.5656	-12.3668	-12.2760
-12.2759	-11.9299	-11.9195	-11.3934	-11.3686	-11.3634	-11.3109	-11.3099
-10.8872	-10.8861	-10.8162	-10.8134	-10.5380	-10.2104	-10.2015	-10.0973
-9.7623	-9.7431	-9.5296	-9.4654	-9.1531	-9.1522	-8.9161	-8.8733
-8.8681	-8.8670	-8.8655	-8.7055	-8.7039	-8.5599	-8.1376	-8.1306
-8.1264	-8.1230	-8.1225	-8.0257	-8.0182	-8.0038	-7.9965	-7.6672
-7.6648	-7.5745	-7.5730	-7.3630	-7.3604	-7.3591	-7.2612	-7.2607
-7.2174	-7.2142	-7.1443	-7.1439	-6.8651	-6.8589	-6.7275	-6.7260
-6.6406	-6.6386	-6.2279	-6.2268	-6.1873	-6.1814	-6.0083	-6.0078
-5.6240	-5.6230	-5.0313	-4.8204	-4.6345	-4.6318	-4.5005	-4.4994
-4.4255	-4.3674	-4.1527	-4.0967	-4.0535	-4.0532	-3.9696	-3.9688
-3.9389	-3.9373	-3.9225	-3.8512	-3.8478	-3.7753	-3.6772	-3.4670
0.4463	0.6540	0.6561	0.9335	1.2975	1.3166	1.3928	1.9298
2.1651	2.1699	2.1933	2.2267	2.3574	2.3578	2.6302	2.7063
2.7263	2.8868	2.9926	3.0087	3.0930	3.0942	3.5262	3.5268
3.5422	3.5444						

k = 0.0794-0.1375 0.0000 ( 64782 PWs) bands (ev):

-21.5544	-21.4471	-20.4568	-20.4553	-20.3726	-20.3672	-20.1606	-20.1601
-20.0029	-20.0021	-19.8748	-19.8732	-19.6396	-19.6352	-18.4812	-18.2724
-18.2708	-17.9901	-17.9899	-17.9127	-17.8997	-17.8980	-17.7321	-17.7033
-17.3530	-17.3503	-16.6646	-16.6611	-16.3271	-16.2716	-16.2682	-15.8414
-15.1350	-14.7165	-14.7151	-12.5976	-12.5425	-12.5315	-12.3685	-12.2860
-12.2859	-11.9276	-11.9172	-11.4006	-11.3791	-11.3355	-11.2950	-11.2940
-10.8908	-10.8897	-10.8220	-10.8192	-10.5638	-10.2434	-10.2348	-10.1293
-9.7253	-9.7019	-9.5289	-9.4462	-9.1522	-9.1514	-8.9196	-8.8731
-8.8680	-8.8311	-8.8297	-8.7254	-8.7238	-8.5834	-8.1245	-8.1216
-8.1211	-8.1141	-8.1103	-8.0628	-8.0558	-8.0029	-7.9957	-7.6708
-7.6684	-7.5572	-7.5557	-7.3955	-7.3941	-7.3532	-7.2608	-7.2604
-7.2421	-7.2388	-7.1477	-7.1473	-6.8472	-6.8409	-6.7503	-6.7488
-6.6284	-6.6265	-6.2121	-6.2110	-6.2013	-6.1954	-5.9993	-5.9988
-5.6369	-5.6359	-4.9955	-4.7910	-4.6180	-4.6153	-4.4874	-4.4862
-4.4135	-4.3604	-4.1420	-4.0911	-4.0441	-4.0439	-3.9566	-3.9559
-3.9521	-3.9505	-3.9252	-3.8700	-3.8667	-3.7791	-3.7013	-3.5045
0.4470	0.6358	0.6379	0.9730	1.3219	1.3411	1.3886	1.9256
2.1539	2.1608	2.1773	2.2256	2.3445	2.3448	2.6261	2.6618
2.7220	2.9096	3.0136	3.0297	3.1100	3.1112	3.5221	3.5228
3.5578	3.5648						

k = 0.0754-0.1306 0.0000 ( 64784 PWs) bands (ev):

-21.5573	-21.4495	-20.4442	-20.4427	-20.3570	-20.3517	-20.1629	-20.1624
-20.0057	-20.0049	-19.8911	-19.8895	-19.6607	-19.6562	-18.4607	-18.2633
-18.2617	-17.9844	-17.9843	-17.9146	-17.9085	-17.9069	-17.7482	-17.6709
-17.3383	-17.3356	-16.6842	-16.6808	-16.3631	-16.2433	-16.2399	-15.8438
-15.1376	-14.7492	-14.7479	-12.5698	-12.5092	-12.4980	-12.3701	-12.2955
-12.2954	-11.9258	-11.9152	-11.4325	-11.3645	-11.3074	-11.2793	-11.2783
-10.8946	-10.8935	-10.8271	-10.8244	-10.5892	-10.2761	-10.2677	-10.1612
-9.6905	-9.6607	-9.5259	-9.4269	-9.1510	-9.1501	-8.9230	-8.8730
-8.8679	-8.7952	-8.7938	-8.7449	-8.7434	-8.6069	-8.1202	-8.1198
-8.1154	-8.1118	-8.1085	-8.0825	-8.0792	-8.0019	-7.9947	-7.6742
-7.6718	-7.5398	-7.5382	-7.4305	-7.4290	-7.3439	-7.2666	-7.2633
-7.2605	-7.2601	-7.1508	-7.1504	-6.8292	-6.8230	-6.7730	-6.7714
-6.6168	-6.6150	-6.2155	-6.2096	-6.1964	-6.1953	-5.9908	-5.9903
-5.6498	-5.6488	-4.9595	-4.7616	-4.6014	-4.5987	-4.4742	-4.4731
-4.4021	-4.3538	-4.1319	-4.0858	-4.0352	-4.0350	-3.9666	-3.9651
-3.9431	-3.9422	-3.9277	-3.8888	-3.8855	-3.7827	-3.7256	-3.5419
0.4476	0.6184	0.6205	1.0127	1.3462	1.3656	1.3845	1.9216
2.1377	2.1568	2.1610	2.2246	2.3321	2.3324	2.6174	2.6221
2.7180	2.9326	3.0348	3.0509	3.1269	3.1281	3.5181	3.5188
3.5556	3.5854						

k = 0.0714-0.1237 0.0000 ( 64788 PWs) bands (ev):

-21.5601	-21.4519	-20.4314	-20.4299	-20.3413	-20.3360	-20.1650	-20.1646
-20.0084	-20.0076	-19.9073	-19.9057	-19.6816	-19.6771	-18.4403	-18.2542
-18.2526	-17.9791	-17.9789	-17.9178	-17.9164	-17.9154	-17.7645	-17.6384
-17.3235	-17.3208	-16.7038	-16.7004	-16.3992	-16.2153	-16.2118	-15.8460
-15.1400	-14.7815	-14.7802	-12.5418	-12.4764	-12.4650	-12.3716	-12.3046
-12.3045	-11.9244	-11.9137	-11.4643	-11.3496	-11.2792	-11.2638	-11.2628
-10.8987	-10.8976	-10.8316	-10.8290	-10.6145	-10.3082	-10.3001	-10.1930
-9.6593	-9.6195	-9.5190	-9.4074	-9.1493	-9.1484	-8.9262	-8.8729
-8.8678	-8.7642	-8.7626	-8.7592	-8.7577	-8.6303	-8.1494	-8.1414
-8.1190	-8.1185	-8.1000	-8.0705	-8.0663	-8.0010	-7.9938	-7.6775
-7.6751	-7.5222	-7.5206	-7.4656	-7.4641	-7.3351	-7.2910	-7.2877
-7.2602	-7.2597	-7.1538	-7.1535	-6.8115	-6.8053	-6.7954	-6.7938
-6.6057	-6.6040	-6.2298	-6.2239	-6.1807	-6.1797	-5.9826	-5.9821
-5.6629	-5.6619	-4.9235	-4.7322	-4.5847	-4.5820	-4.4609	-4.4598
-4.3913	-4.3475	-4.1222	-4.0808	-4.0267	-4.0265	-3.9805	-3.9790
-3.9310	-3.9301	-3.9299	-3.9075	-3.9043	-3.7861	-3.7501	-3.5794
0.4481	0.6017	0.6038	1.0525	1.3704	1.3807	1.3899	1.9178
2.1212	2.1445	2.1529	2.2236	2.3203	2.3207	2.5731	2.6184
2.7142	2.9560	3.0562	3.0722	3.1437	3.1449	3.5143	3.5150
3.5521	3.6071						

k = 0.0675-0.1168 0.0000 ( 64782 PWs) bands (ev):

-21.5626	-21.4541	-20.4186	-20.4171	-20.3255	-20.3202	-20.1671	-20.1667
-20.0110	-20.0101	-19.9234	-19.9219	-19.7024	-19.6979	-18.4200	-18.2450
-18.2434	-17.9740	-17.9739	-17.9266	-17.9250	-17.9177	-17.7809	-17.6058
-17.3085	-17.3058	-16.7232	-16.7198	-16.4351	-16.1875	-16.1839	-15.8482
-15.1424	-14.8132	-14.8120	-12.5138	-12.4441	-12.4327	-12.3730	-12.3132
-12.3131	-11.9236	-11.9127	-11.4960	-11.3343	-11.2509	-11.2484	-11.2474
-10.9031	-10.9020	-10.8354	-10.8328	-10.6395	-10.3398	-10.3319	-10.2248
-9.6339	-9.5783	-9.5062	-9.3878	-9.1471	-9.1462	-8.9292	-8.8729
-8.8678	-8.7829	-8.7814	-8.7233	-8.7218	-8.6536	-8.1883	-8.1801
-8.1178	-8.1173	-8.0888	-8.0528	-8.0484	-8.0001	-7.9929	-7.6805
-7.6781	-7.5044	-7.5029	-7.5007	-7.4993	-7.3268	-7.3154	-7.3120
-7.2599	-7.2594	-7.1567	-7.1563	-6.8181	-6.8166	-6.7935	-6.7872
-6.5951	-6.5936	-6.2442	-6.2382	-6.1652	-6.1641	-5.9750	-5.9745

-5.6759	-5.6749	-4.8873	-4.7029	-4.5679	-4.5652	-4.4475	-4.4465
-4.3810	-4.3415	-4.1131	-4.0761	-4.0187	-4.0185	-3.9945	-3.9931
-3.9326	-3.9270	-3.9234	-3.9183	-3.9177	-3.7893	-3.7749	-3.6168
0.4487	0.5859	0.5879	1.0925	1.3770	1.3945	1.4142	1.9142
2.1044	2.1277	2.1493	2.2227	2.3091	2.3095	2.5288	2.6148
2.7105	2.9797	3.0777	3.0938	3.1604	3.1616	3.5106	3.5114
3.5486	3.6285						

k = 0.0635-0.1100 0.0000 ( 64768 PWs) bands (ev):

-21.5651	-21.4562	-20.4056	-20.4041	-20.3095	-20.3042	-20.1690	-20.1686
-20.0134	-20.0125	-19.9395	-19.9379	-19.7230	-19.7185	-18.3997	-18.2358
-18.2342	-17.9692	-17.9690	-17.9357	-17.9340	-17.9192	-17.7976	-17.5730
-17.2935	-17.2907	-16.7425	-16.7391	-16.4711	-16.1601	-16.1565	-15.8502
-15.1446	-14.8444	-14.8433	-12.4856	-12.4125	-12.4009	-12.3744	-12.3213
-12.3212	-11.9232	-11.9123	-11.5277	-11.3188	-11.2333	-11.2323	-11.2225
-10.9078	-10.9067	-10.8384	-10.8360	-10.6643	-10.3709	-10.3633	-10.2564
-9.6159	-9.5370	-9.4858	-9.3681	-9.1445	-9.1436	-8.9320	-8.8728
-8.8677	-8.8013	-8.7999	-8.6873	-8.6858	-8.6768	-8.2279	-8.2197
-8.1167	-8.1162	-8.0782	-8.0342	-8.0298	-7.9993	-7.9921	-7.6834
-7.6810	-7.5360	-7.5346	-7.4865	-7.4850	-7.3395	-7.3361	-7.3189
-7.2596	-7.2591	-7.1594	-7.1590	-6.8404	-6.8389	-6.7758	-6.7696
-6.5852	-6.5837	-6.2586	-6.2527	-6.1496	-6.1485	-5.9677	-5.9671
-5.6891	-5.6881	-4.8512	-4.6736	-4.5509	-4.5483	-4.4341	-4.4330
-4.3713	-4.3358	-4.1044	-4.0716	-4.0112	-4.0109	-4.0087	-4.0073
-3.9451	-3.9423	-3.9341	-3.9076	-3.9068	-3.8000	-3.7923	-3.6541
0.4491	0.5709	0.5729	1.1326	1.3736	1.4185	1.4383	1.9108
2.0874	2.1106	2.1459	2.2219	2.2985	2.2989	2.4847	2.6115
2.7071	3.0037	3.0995	3.1156	3.1771	3.1783	3.5072	3.5080
3.5453	3.6251						

k = 0.0595-0.1031 0.0000 ( 64751 PWs) bands (ev):

-21.5674	-21.4581	-20.3926	-20.3911	-20.2934	-20.2881	-20.1709	-20.1704
-20.0156	-20.0148	-19.9555	-19.9539	-19.7435	-19.7390	-18.3794	-18.2265
-18.2249	-17.9647	-17.9645	-17.9448	-17.9431	-17.9207	-17.8144	-17.5402
-17.2783	-17.2755	-16.7617	-16.7583	-16.5069	-16.1331	-16.1294	-15.8521
-15.1466	-14.8749	-14.8738	-12.4573	-12.3816	-12.3756	-12.3698	-12.3289
-12.3288	-11.9235	-11.9124	-11.5592	-11.3029	-11.2184	-11.2174	-11.1939
-10.9128	-10.9117	-10.8407	-10.8383	-10.6889	-10.4014	-10.3940	-10.2880
-9.6048	-9.4958	-9.4583	-9.3483	-9.1415	-9.1406	-8.9347	-8.8727
-8.8677	-8.8194	-8.8179	-8.7000	-8.6512	-8.6497	-8.2678	-8.2596
-8.1156	-8.1152	-8.0682	-8.0152	-8.0109	-7.9984	-7.9912	-7.6861
-7.6837	-7.5714	-7.5699	-7.4685	-7.4670	-7.3636	-7.3602	-7.3115
-7.2594	-7.2589	-7.1619	-7.1615	-6.8626	-6.8611	-6.7582	-6.7520
-6.5758	-6.5744	-6.2732	-6.2673	-6.1342	-6.1331	-5.9607	-5.9602
-5.7024	-5.7014	-4.8149	-4.6444	-4.5339	-4.5313	-4.4206	-4.4196
-4.3622	-4.3305	-4.0963	-4.0674	-4.0232	-4.0218	-4.0039	-4.0037
-3.9635	-3.9606	-3.9364	-3.8970	-3.8962	-3.8254	-3.7952	-3.6915
0.4496	0.5567	0.5587	1.1728	1.3704	1.4423	1.4623	1.9076
2.0701	2.0933	2.1426	2.2212	2.2886	2.2889	2.4407	2.6083
2.7039	3.0280	3.1214	3.1375	3.1937	3.1949	3.5040	3.5048
3.5422	3.6143						

k = 0.0556-0.0962 0.0000 ( 64757 PWs) bands (ev):

-21.5695	-21.4600	-20.3794	-20.3779	-20.2771	-20.2719	-20.1726	-20.1721
-20.0177	-20.0169	-19.9714	-19.9698	-19.7639	-19.7593	-18.3592	-18.2172
-18.2156	-17.9605	-17.9603	-17.9540	-17.9522	-17.9220	-17.8314	-17.5072
-17.2629	-17.2601	-16.7807	-16.7774	-16.5427	-16.1066	-16.1028	-15.8539
-15.1486	-14.9047	-14.9037	-12.4289	-12.3768	-12.3514	-12.3395	-12.3361
-12.3360	-11.9244	-11.9131	-11.5906	-11.2866	-11.2037	-11.2027	-11.1652

-10.9181	-10.9170	-10.8422	-10.8398	-10.7132	-10.4313	-10.4241	-10.3195
-9.5987	-9.4545	-9.4257	-9.3283	-9.1380	-9.1370	-8.9372	-8.8727
-8.8676	-8.8370	-8.8356	-8.7230	-8.6151	-8.6137	-8.3079	-8.2997
-8.1147	-8.1142	-8.0588	-7.9984	-7.9958	-7.9916	-7.9899	-7.6887
-7.6863	-7.6068	-7.6054	-7.4503	-7.4488	-7.3875	-7.3840	-7.3046
-7.2591	-7.2586	-7.1642	-7.1639	-6.8847	-6.8832	-6.7407	-6.7344
-6.5669	-6.5656	-6.2879	-6.2820	-6.1188	-6.1177	-5.9543	-5.9537
-5.7157	-5.7147	-4.7786	-4.6152	-4.5168	-4.5142	-4.4071	-4.4060
-4.3536	-4.3256	-4.0887	-4.0635	-4.0378	-4.0365	-3.9973	-3.9970
-3.9817	-3.9789	-3.9383	-3.8870	-3.8862	-3.8510	-3.7978	-3.7287
0.4500	0.5433	0.5453	1.2131	1.3674	1.4660	1.4862	1.9046
2.0525	2.0757	2.1396	2.2204	2.2792	2.2796	2.3969	2.6054
2.7009	3.0526	3.1435	3.1597	3.2101	3.2113	3.5009	3.5017
3.5393	3.6032						

k = 0.0516-0.0894 0.0000 ( 64745 PWs) bands (ev):

-21.5715	-21.4617	-20.3662	-20.3646	-20.2607	-20.2555	-20.1741	-20.1737
-20.0197	-20.0188	-19.9872	-19.9856	-19.7841	-19.7796	-18.3391	-18.2079
-18.2063	-17.9632	-17.9617	-17.9563	-17.9562	-17.9233	-17.8485	-17.4741
-17.2474	-17.2447	-16.7997	-16.7964	-16.5784	-16.0807	-16.0767	-15.8555
-15.1504	-14.9337	-14.9328	-12.4004	-12.3779	-12.3428	-12.3427	-12.3219
-12.3099	-11.9259	-11.9145	-11.6219	-11.2701	-11.1892	-11.1882	-11.1364
-10.9238	-10.9227	-10.8428	-10.8404	-10.7373	-10.4604	-10.4535	-10.3510
-9.5954	-9.4133	-9.3900	-9.3082	-9.1340	-9.1330	-8.9395	-8.8726
-8.8676	-8.8543	-8.8528	-8.7460	-8.5790	-8.5776	-8.3481	-8.3399
-8.1138	-8.1133	-8.0501	-7.9973	-7.9901	-7.9761	-7.9720	-7.6910
-7.6886	-7.6423	-7.6409	-7.4320	-7.4304	-7.4113	-7.4078	-7.2981
-7.2589	-7.2584	-7.1664	-7.1660	-6.9067	-6.9051	-6.7232	-6.7170
-6.5587	-6.5575	-6.3028	-6.2968	-6.1035	-6.1024	-5.9482	-5.9477
-5.7292	-5.7281	-4.7422	-4.5860	-4.4996	-4.4970	-4.3934	-4.3924
-4.3456	-4.3209	-4.0816	-4.0598	-4.0526	-4.0514	-4.0001	-3.9973
-3.9907	-3.9905	-3.9401	-3.8791	-3.8770	-3.8754	-3.8003	-3.7659
0.4504	0.5308	0.5328	1.2536	1.3646	1.4896	1.5099	1.9019
2.0347	2.0579	2.1368	2.2197	2.2704	2.2708	2.3532	2.6027
2.6981	3.0775	3.1659	3.1820	3.2264	3.2276	3.4981	3.4989
3.5366	3.5918						

k = 0.0476-0.0825 0.0000 ( 64769 PWs) bands (ev):

-21.5734	-21.4632	-20.3528	-20.3513	-20.2441	-20.2390	-20.1756	-20.1752
-20.0215	-20.0206	-20.0029	-20.0014	-19.8042	-19.7996	-18.3190	-18.1986
-18.1970	-17.9724	-17.9708	-17.9527	-17.9526	-17.9244	-17.8658	-17.4409
-17.2318	-17.2290	-16.8185	-16.8152	-16.6140	-16.0554	-16.0514	-15.8571
-15.1521	-14.9618	-14.9610	-12.3790	-12.3718	-12.3490	-12.3489	-12.2932
-12.2811	-11.9282	-11.9166	-11.6531	-11.2533	-11.1750	-11.1740	-11.1075
-10.9297	-10.9286	-10.8424	-10.8401	-10.7612	-10.4888	-10.4822	-10.3823
-9.5939	-9.3720	-9.3525	-9.2880	-9.1295	-9.1285	-8.9417	-8.8726
-8.8711	-8.8697	-8.8676	-8.7689	-8.5429	-8.5415	-8.3884	-8.3801
-8.1130	-8.1125	-8.0420	-7.9966	-7.9894	-7.9565	-7.9524	-7.6932
-7.6908	-7.6779	-7.6765	-7.4349	-7.4314	-7.4135	-7.4120	-7.2921
-7.2587	-7.2582	-7.1684	-7.1681	-6.9285	-6.9270	-6.7059	-6.6996
-6.5511	-6.5499	-6.3177	-6.3117	-6.0882	-6.0871	-5.9427	-5.9421
-5.7426	-5.7416	-4.7058	-4.5569	-4.4823	-4.4797	-4.3797	-4.3788
-4.3382	-4.3166	-4.0750	-4.0677	-4.0665	-4.0564	-4.0178	-4.0152
-3.9850	-3.9848	-3.9417	-3.9033	-3.8688	-3.8680	-3.8030	-3.8025
0.4508	0.5192	0.5212	1.2941	1.3620	1.5131	1.5334	1.8993
2.0166	2.0398	2.1342	2.2191	2.2622	2.2627	2.3096	2.6001
2.6955	3.1027	3.1884	3.2046	3.2426	3.2438	3.4955	3.4963
3.5341	3.5803						

k = 0.0437-0.0756 0.0000 ( 64777 PWs) bands (ev):

-21.5751	-21.4647	-20.3393	-20.3378	-20.2274	-20.2223	-20.1770	-20.1765
-20.0231	-20.0223	-20.0185	-20.0170	-19.8242	-19.8195	-18.2990	-18.1892
-18.1876	-17.9817	-17.9801	-17.9493	-17.9492	-17.9255	-17.8833	-17.4076
-17.2161	-17.2133	-16.8372	-16.8339	-16.6495	-16.0310	-16.0269	-15.8585
-15.1536	-14.9889	-14.9881	-12.3799	-12.3547	-12.3546	-12.3431	-12.2654
-12.2532	-11.9312	-11.9195	-11.6842	-11.2361	-11.1611	-11.1601	-11.0785
-10.9360	-10.9349	-10.8412	-10.8389	-10.7848	-10.5164	-10.5100	-10.4136
-9.5933	-9.3308	-9.3138	-9.2676	-9.1245	-9.1235	-8.9437	-8.8875
-8.8861	-8.8726	-8.8676	-8.7917	-8.5068	-8.5053	-8.4288	-8.4205
-8.1123	-8.1118	-8.0346	-7.9960	-7.9888	-7.9367	-7.9326	-7.7135
-7.7121	-7.6952	-7.6928	-7.4584	-7.4549	-7.3949	-7.3933	-7.2865
-7.2585	-7.2580	-7.1703	-7.1699	-6.9503	-6.9487	-6.6886	-6.6824
-6.5440	-6.5430	-6.3327	-6.3267	-6.0731	-6.0720	-5.9375	-5.9370
-5.7562	-5.7552	-4.6693	-4.5278	-4.4649	-4.4623	-4.3660	-4.3650
-4.3314	-4.3127	-4.0829	-4.0819	-4.0689	-4.0533	-4.0354	-4.0329
-3.9797	-3.9794	-3.9432	-3.9298	-3.8609	-3.8601	-3.8394	-3.8047
0.4511	0.5085	0.5105	1.3348	1.3596	1.5363	1.5568	1.8969
1.9983	2.0214	2.1318	2.2186	2.2540	2.2552	2.2668	2.5978
2.6932	3.1283	3.2111	3.2273	3.2587	3.2598	3.4931	3.4940
3.5317	3.5685						

k = 0.0397-0.0687 0.0000 ( 64791 PWs) bands (ev):

-21.5766	-21.4660	-20.3258	-20.3242	-20.2106	-20.2055	-20.1782	-20.1778
-20.0341	-20.0326	-20.0247	-20.0238	-19.8440	-19.8393	-18.2791	-18.1799
-18.1782	-17.9910	-17.9894	-17.9462	-17.9461	-17.9265	-17.9009	-17.3742
-17.2002	-17.1974	-16.8557	-16.8525	-16.6850	-16.0075	-16.0033	-15.8598
-15.1550	-15.0148	-15.0140	-12.3808	-12.3599	-12.3598	-12.3143	-12.2386
-12.2262	-11.9350	-11.9232	-11.7152	-11.2186	-11.1474	-11.1464	-11.0493
-10.9426	-10.9415	-10.8389	-10.8366	-10.8081	-10.5431	-10.5370	-10.4448
-9.5932	-9.2895	-9.2744	-9.2471	-9.1191	-9.1181	-8.9455	-8.9034
-8.9020	-8.8725	-8.8675	-8.8143	-8.4706	-8.4693	-8.4692	-8.4610
-8.1116	-8.1111	-8.0278	-7.9955	-7.9883	-7.9167	-7.9126	-7.7492
-7.7477	-7.6971	-7.6947	-7.4818	-7.4782	-7.3761	-7.3746	-7.2815
-7.2583	-7.2578	-7.1720	-7.1717	-6.9719	-6.9703	-6.6714	-6.6652
-6.5376	-6.5366	-6.3478	-6.3418	-6.0579	-6.0568	-5.9328	-5.9322
-5.7698	-5.7688	-4.6328	-4.4988	-4.4474	-4.4448	-4.3522	-4.3512
-4.3252	-4.3091	-4.0985	-4.0975	-4.0634	-4.0527	-4.0505	-4.0504
-3.9748	-3.9745	-3.9567	-3.9446	-3.8771	-3.8531	-3.8520	-3.8066
0.4514	0.4986	0.5006	1.3574	1.3757	1.5595	1.5801	1.8948
1.9797	2.0028	2.1296	2.2180	2.2220	2.2483	2.2485	2.5957
2.6910	3.1541	3.2339	3.2502	3.2746	3.2758	3.4909	3.4918
3.5296	3.5565						

k = 0.0357-0.0619 0.0000 ( 64779 PWs) bands (ev):

-21.5780	-21.4672	-20.3121	-20.3106	-20.1936	-20.1885	-20.1793	-20.1789
-20.0496	-20.0480	-20.0260	-20.0252	-19.8637	-19.8590	-18.2592	-18.1705
-18.1688	-18.0003	-17.9987	-17.9434	-17.9433	-17.9274	-17.9186	-17.3407
-17.1843	-17.1814	-16.8742	-16.8709	-16.7203	-15.9852	-15.9808	-15.8610
-15.1563	-15.0393	-15.0386	-12.3816	-12.3646	-12.3646	-12.2854	-12.2126
-12.2002	-11.9397	-11.9278	-11.7461	-11.2008	-11.1341	-11.1331	-11.0201
-10.9496	-10.9485	-10.8356	-10.8332	-10.8312	-10.5689	-10.5631	-10.4759
-9.5935	-9.2483	-9.2346	-9.2265	-9.1131	-9.1121	-8.9472	-8.9189
-8.9175	-8.8725	-8.8675	-8.8369	-8.5099	-8.5015	-8.4345	-8.4330
-8.1110	-8.1105	-8.0216	-7.9950	-7.9878	-7.8966	-7.8925	-7.7848
-7.7834	-7.6987	-7.6963	-7.5050	-7.5013	-7.3572	-7.3557	-7.2770
-7.2581	-7.2577	-7.1736	-7.1732	-6.9933	-6.9918	-6.6543	-6.6481
-6.5317	-6.5308	-6.3630	-6.3570	-6.0429	-6.0418	-5.9285	-5.9280
-5.7835	-5.7825	-4.5962	-4.4698	-4.4298	-4.4273	-4.3383	-4.3374
-4.3195	-4.3058	-4.1144	-4.1134	-4.0696	-4.0677	-4.0584	-4.0478

-3.9841	-3.9703	-3.9701	-3.9458	-3.9133	-3.8464	-3.8455	-3.8084
0.4516	0.4897	0.4917	1.3554	1.4166	1.5824	1.6031	1.8928
1.9609	1.9839	2.1277	2.1790	2.2175	2.2420	2.2422	2.5937
2.6890	3.1801	3.2570	3.2733	3.2903	3.2915	3.4889	3.4898
3.5277	3.5442						

k = 0.0317-0.0550 0.0000 ( 64763 PWs)      bands (ev):

-21.5793	-21.4683	-20.2983	-20.2968	-20.1803	-20.1799	-20.1765	-20.1714
-20.0649	-20.0634	-20.0273	-20.0264	-19.8832	-19.8785	-18.2395	-18.1610
-18.1594	-18.0097	-18.0081	-17.9411	-17.9408	-17.9363	-17.9281	-17.3071
-17.1681	-17.1652	-16.8925	-16.8893	-16.7556	-15.9642	-15.9597	-15.8620
-15.1574	-15.0624	-15.0617	-12.3823	-12.3689	-12.3688	-12.2564	-12.1877
-12.1752	-11.9454	-11.9333	-11.7769	-11.1827	-11.1210	-11.1200	-10.9907
-10.9569	-10.9558	-10.8540	-10.8311	-10.8288	-10.5938	-10.5883	-10.5069
-9.5939	-9.2071	-9.2058	-9.1944	-9.1067	-9.1056	-8.9486	-8.9339
-8.9326	-8.8725	-8.8675	-8.8594	-8.5505	-8.5421	-8.3983	-8.3968
-8.1105	-8.1100	-8.0161	-7.9946	-7.9874	-7.8764	-7.8724	-7.8204
-7.8190	-7.7002	-7.6978	-7.5280	-7.5244	-7.3381	-7.3366	-7.2728
-7.2580	-7.2575	-7.1749	-7.1746	-7.0147	-7.0131	-6.6373	-6.6311
-6.5264	-6.5256	-6.3783	-6.3723	-6.0279	-6.0268	-5.9246	-5.9241
-5.7973	-5.7963	-4.5597	-4.4409	-4.4122	-4.4097	-4.3244	-4.3235
-4.3145	-4.3028	-4.1306	-4.1297	-4.0863	-4.0846	-4.0539	-4.0455
-4.0120	-3.9663	-3.9662	-3.9493	-3.9469	-3.8403	-3.8394	-3.8099
0.4519	0.4816	0.4836	1.3536	1.4576	1.6052	1.6260	1.8911
1.9418	1.9648	2.1259	2.1359	2.2171	2.2364	2.2366	2.5920
2.6873	3.2064	3.2803	3.2965	3.3060	3.3071	3.4871	3.4880
3.5259	3.5318						

k = 0.0278-0.0481 0.0000 ( 64757 PWs)      bands (ev):

-21.5804	-21.4693	-20.2845	-20.2830	-20.1812	-20.1808	-20.1592	-20.1542
-20.0802	-20.0787	-20.0284	-20.0275	-19.9026	-19.8978	-18.2198	-18.1516
-18.1500	-18.0191	-18.0175	-17.9547	-17.9386	-17.9384	-17.9288	-17.2734
-17.1519	-17.1490	-16.9107	-16.9075	-16.7908	-15.9447	-15.9401	-15.8629
-15.1584	-15.0836	-15.0829	-12.3829	-12.3726	-12.3725	-12.2273	-12.1638
-12.1513	-11.9520	-11.9398	-11.8076	-11.1643	-11.1082	-11.1072	-10.9645
-10.9635	-10.9612	-10.8766	-10.8256	-10.8231	-10.6177	-10.6124	-10.5378
-9.5944	-9.1849	-9.1658	-9.1540	-9.0997	-9.0986	-8.9499	-8.9485
-8.9471	-8.8818	-8.8725	-8.8675	-8.5912	-8.5827	-8.3621	-8.3607
-8.1100	-8.1095	-8.0112	-7.9942	-7.9870	-7.8605	-7.8600	-7.8503
-7.8481	-7.7015	-7.6991	-7.5509	-7.5472	-7.3190	-7.3174	-7.2692
-7.2579	-7.2574	-7.1762	-7.1758	-7.0359	-7.0343	-6.6204	-6.6142
-6.5218	-6.5210	-6.3938	-6.3878	-6.0129	-6.0118	-5.9212	-5.9207
-5.8112	-5.8102	-4.5231	-4.4121	-4.3945	-4.3920	-4.3110	-4.3098
-4.3091	-4.3001	-4.1471	-4.1462	-4.1026	-4.1011	-4.0499	-4.0435
-4.0404	-3.9851	-3.9628	-3.9625	-3.9479	-3.8350	-3.8340	-3.8113
0.4521	0.4745	0.4765	1.3521	1.4987	1.6279	1.6487	1.8895
1.9225	1.9454	2.0930	2.1243	2.2168	2.2314	2.2317	2.5905
2.6857	3.2329	3.3037	3.3199	3.3214	3.3226	3.4855	3.4865
3.5192	3.5204						

k = 0.0238-0.0412 0.0000 ( 64741 PWs)      bands (ev):

-21.5813	-21.4701	-20.2705	-20.2690	-20.1820	-20.1816	-20.1418	-20.1368
-20.0954	-20.0939	-20.0293	-20.0285	-19.9218	-19.9171	-18.2002	-18.1421
-18.1405	-18.0285	-18.0269	-17.9728	-17.9367	-17.9365	-17.9293	-17.2396
-17.1355	-17.1325	-16.9287	-16.9256	-16.8259	-15.9270	-15.9223	-15.8637
-15.1593	-15.1029	-15.1021	-12.3835	-12.3759	-12.3758	-12.1981	-12.1410
-12.1284	-11.9596	-11.9473	-11.8382	-11.1456	-11.0957	-11.0947	-10.9725
-10.9715	-10.9316	-10.8990	-10.8189	-10.8163	-10.6404	-10.6354	-10.5687
-9.5949	-9.1640	-9.1246	-9.1135	-9.0922	-9.0911	-8.9625	-8.9612

-8.9510	-8.9042	-8.8725	-8.8675	-8.6320	-8.6234	-8.3260	-8.3245
-8.1096	-8.1091	-8.0070	-7.9939	-7.9866	-7.8932	-7.8917	-7.8343
-7.8302	-7.7027	-7.7003	-7.5737	-7.5699	-7.2996	-7.2981	-7.2661
-7.2578	-7.2573	-7.1772	-7.1769	-7.0570	-7.0554	-6.6036	-6.5974
-6.5178	-6.5171	-6.4093	-6.4033	-5.9980	-5.9970	-5.9183	-5.9178
-5.8251	-5.8241	-4.4865	-4.3833	-4.3767	-4.3742	-4.3064	-4.2980
-4.2960	-4.2953	-4.1640	-4.1629	-4.1186	-4.1174	-4.0697	-4.0465
-4.0417	-4.0200	-3.9597	-3.9594	-3.9487	-3.8303	-3.8294	-3.8125
0.4522	0.4684	0.4704	1.3507	1.5398	1.6504	1.6712	1.8882
1.9030	1.9258	2.0502	2.1230	2.2164	2.2271	2.2274	2.5892
2.6844	3.2597	3.3273	3.3367	3.3379	3.3435	3.4841	3.4851
3.5064	3.5077						

k = 0.0198-0.0344 0.0000 ( 64721 PWs) bands (ev):

-21.5821	-21.4708	-20.2564	-20.2549	-20.1826	-20.1822	-20.1243	-20.1193
-20.1105	-20.1090	-20.0301	-20.0293	-19.9409	-19.9361	-18.1807	-18.1327
-18.1311	-18.0379	-18.0363	-17.9911	-17.9351	-17.9349	-17.9298	-17.2056
-17.1190	-17.1160	-16.9466	-16.9435	-16.8608	-15.9113	-15.9065	-15.8644
-15.1600	-15.1199	-15.1191	-12.3839	-12.3786	-12.3785	-12.1688	-12.1193
-12.1068	-11.9682	-11.9558	-11.8686	-11.1267	-11.0836	-11.0826	-10.9809
-10.9798	-10.9210	-10.9020	-10.8110	-10.8083	-10.6621	-10.6574	-10.5994
-9.5954	-9.1429	-9.0842	-9.0835	-9.0831	-9.0729	-8.9761	-8.9748
-8.9520	-8.9264	-8.8725	-8.8675	-8.6728	-8.6642	-8.2898	-8.2883
-8.1092	-8.1088	-8.0034	-7.9936	-7.9864	-7.9289	-7.9274	-7.8136
-7.8096	-7.7037	-7.7012	-7.5962	-7.5925	-7.2802	-7.2786	-7.2634
-7.2577	-7.2572	-7.1781	-7.1777	-7.0779	-7.0764	-6.5868	-6.5807
-6.5144	-6.5137	-6.4249	-6.4189	-5.9832	-5.9822	-5.9158	-5.9153
-5.8391	-5.8381	-4.4500	-4.3589	-4.3569	-4.3540	-4.3031	-4.2959
-4.2819	-4.2812	-4.1811	-4.1799	-4.1344	-4.1333	-4.1000	-4.0540
-4.0436	-4.0402	-3.9572	-3.9569	-3.9494	-3.8263	-3.8254	-3.8135
0.4524	0.4632	0.4652	1.3496	1.5809	1.6727	1.6935	1.8832
1.8871	1.9060	2.0076	2.1218	2.2161	2.2235	2.2238	2.5880
2.6832	3.2868	3.3510	3.3519	3.3531	3.3672	3.4828	3.4839
3.4935	3.4947						

k = 0.0159-0.0275 0.0000 ( 64687 PWs) bands (ev):

-21.5828	-21.4714	-20.2423	-20.2408	-20.1832	-20.1827	-20.1255	-20.1240
-20.1066	-20.1016	-20.0308	-20.0299	-19.9599	-19.9551	-18.1612	-18.1232
-18.1216	-18.0474	-18.0457	-18.0095	-17.9339	-17.9335	-17.9301	-17.1716
-17.1023	-17.0993	-16.9644	-16.9614	-16.8957	-15.8980	-15.8931	-15.8649
-15.1606	-15.1343	-15.1335	-12.3844	-12.3809	-12.3807	-12.1395	-12.0988
-12.0863	-11.9780	-11.9654	-11.8989	-11.1074	-11.0718	-11.0708	-10.9895
-10.9885	-10.9428	-10.8722	-10.8018	-10.7990	-10.6826	-10.6781	-10.6301
-9.5958	-9.1217	-9.0757	-9.0746	-9.0423	-9.0322	-8.9892	-8.9879
-8.9527	-8.9485	-8.8725	-8.8675	-8.7137	-8.7049	-8.2536	-8.2521
-8.1090	-8.1085	-8.0004	-7.9934	-7.9861	-7.9648	-7.9633	-7.7927
-7.7887	-7.7044	-7.7020	-7.6187	-7.6149	-7.2612	-7.2605	-7.2590
-7.2576	-7.2571	-7.1788	-7.1785	-7.0987	-7.0972	-6.5702	-6.5641
-6.5116	-6.5110	-6.4406	-6.4346	-5.9685	-5.9674	-5.9138	-5.9132
-5.8532	-5.8522	-4.4135	-4.3411	-4.3388	-4.3255	-4.3005	-4.2942
-4.2677	-4.2670	-4.1984	-4.1971	-4.1499	-4.1490	-4.1315	-4.0870
-4.0412	-4.0390	-3.9551	-3.9547	-3.9500	-3.8231	-3.8221	-3.8143
0.4524	0.4589	0.4609	1.3487	1.6219	1.6948	1.7155	1.8632
1.8860	1.8862	1.9652	2.1209	2.2159	2.2206	2.2208	2.5871
2.6823	3.3141	3.3668	3.3681	3.3749	3.3911	3.4792	3.4802
3.4833	3.4839						

k = 0.0119-0.0206 0.0000 ( 64669 PWs) bands (ev):

-21.5833	-21.4718	-20.2280	-20.2265	-20.1836	-20.1831	-20.1404	-20.1389
----------	----------	----------	----------	----------	----------	----------	----------



-20.0888	-20.0838	-20.0313	-20.0304	-19.9787	-19.9739	-18.1419	-18.1137
-18.1121	-18.0568	-18.0552	-18.0281	-17.9330	-17.9325	-17.9303	-17.1375
-17.0855	-17.0825	-16.9821	-16.9791	-16.9305	-15.8873	-15.8823	-15.8653
-15.1611	-15.1459	-15.1450	-12.3848	-12.3826	-12.3823	-12.1101	-12.0794
-12.0670	-11.9888	-11.9762	-11.9291	-11.0878	-11.0603	-11.0593	-10.9986
-10.9975	-10.9644	-10.8423	-10.7914	-10.7884	-10.7019	-10.6977	-10.6606
-9.5962	-9.1004	-9.0667	-9.0655	-9.0018	-9.0012	-9.0005	-8.9917
-8.9705	-8.9531	-8.8725	-8.8675	-8.7545	-8.7457	-8.2174	-8.2160
-8.1087	-8.1083	-8.0008	-7.9993	-7.9981	-7.9932	-7.9859	-7.7715
-7.7676	-7.7050	-7.7026	-7.6410	-7.6371	-7.2596	-7.2575	-7.2570
-7.2408	-7.2393	-7.1794	-7.1790	-7.1194	-7.1179	-6.5537	-6.5476
-6.5094	-6.5088	-6.4565	-6.4504	-5.9539	-5.9528	-5.9121	-5.9116
-5.8674	-5.8663	-4.3771	-4.3233	-4.3211	-4.2984	-4.2968	-4.2926
-4.2534	-4.2528	-4.2159	-4.2145	-4.1663	-4.1647	-4.1627	-4.1189
-4.0393	-4.0380	-3.9534	-3.9531	-3.9504	-3.8206	-3.8196	-3.8148
0.4524	0.4556	0.4576	1.3479	1.6626	1.7170	1.7373	1.8432
1.8658	1.8854	1.9232	2.1202	2.2157	2.2183	2.2186	2.5864
2.6816	3.3416	3.3816	3.3829	3.3988	3.4148	3.4664	3.4676
3.4814	3.4828						

k = 0.0079-0.0137 0.0000 ( 64667 PWs) bands (ev):

-21.5837	-21.4721	-20.2137	-20.2122	-20.1839	-20.1834	-20.1553	-20.1537
-20.0708	-20.0659	-20.0316	-20.0308	-19.9973	-19.9925	-18.1227	-18.1043
-18.1026	-18.0663	-18.0647	-18.0467	-17.9324	-17.9317	-17.9303	-17.1033
-17.0686	-17.0656	-16.9997	-16.9966	-16.9652	-15.8794	-15.8743	-15.8656
-15.1615	-15.1544	-15.1534	-12.3852	-12.3839	-12.3834	-12.0809	-12.0612
-12.0490	-12.0008	-11.9881	-11.9590	-11.0679	-11.0491	-11.0481	-11.0080
-11.0070	-10.9856	-10.8123	-10.7797	-10.7765	-10.7199	-10.7161	-10.6911
-9.5965	-9.0790	-9.0572	-9.0560	-9.0139	-9.0126	-8.9924	-8.9605
-8.9562	-8.9479	-8.8725	-8.8675	-8.7954	-8.7864	-8.1813	-8.1798
-8.1086	-8.1081	-8.0368	-8.0353	-7.9965	-7.9931	-7.9858	-7.7502
-7.7463	-7.7055	-7.7031	-7.6631	-7.6592	-7.2584	-7.2574	-7.2569
-7.2209	-7.2194	-7.1798	-7.1794	-7.1400	-7.1384	-6.5373	-6.5313
-6.5078	-6.5073	-6.4724	-6.4663	-5.9393	-5.9383	-5.9110	-5.9105
-5.8816	-5.8805	-4.3410	-4.3058	-4.3037	-4.2964	-4.2917	-4.2678
-4.2391	-4.2387	-4.2332	-4.2319	-4.1983	-4.1800	-4.1794	-4.1498
-4.0380	-4.0373	-3.9524	-3.9519	-3.9506	-3.8188	-3.8178	-3.8152
0.4520	0.4534	0.4554	1.3474	1.7020	1.7395	1.7586	1.8232
1.8455	1.8818	1.8849	2.1196	2.2155	2.2167	2.2170	2.5859
2.6810	3.3693	3.3963	3.3975	3.4226	3.4383	3.4528	3.4540
3.4805	3.4823						

k = 0.0040-0.0069 0.0000 ( 64673 PWs) bands (ev):

-21.5839	-21.4723	-20.1992	-20.1978	-20.1840	-20.1836	-20.1700	-20.1684
-20.0527	-20.0479	-20.0318	-20.0310	-20.0158	-20.0110	-18.1036	-18.0948
-18.0932	-18.0758	-18.0741	-18.0655	-17.9322	-17.9313	-17.9302	-17.0690
-17.0516	-17.0486	-17.0171	-17.0141	-16.9998	-15.8746	-15.8695	-15.8658
-15.1617	-15.1596	-15.1585	-12.3855	-12.3846	-12.3840	-12.0528	-12.0436
-12.0325	-12.0137	-12.0010	-11.9883	-11.0478	-11.0383	-11.0373	-11.0177
-11.0167	-11.0066	-10.7824	-10.7668	-10.7633	-10.7367	-10.7332	-10.7213
-9.5966	-9.0576	-9.0471	-9.0459	-9.0255	-9.0242	-9.0142	-8.9547
-8.9191	-8.9095	-8.8725	-8.8676	-8.8363	-8.8270	-8.1452	-8.1437
-8.1085	-8.1080	-8.0729	-8.0714	-7.9955	-7.9930	-7.9857	-7.7288
-7.7250	-7.7057	-7.7033	-7.6849	-7.6811	-7.2578	-7.2572	-7.2569
-7.2009	-7.1994	-7.1801	-7.1797	-7.1604	-7.1588	-6.5210	-6.5152
-6.5068	-6.5063	-6.4883	-6.4822	-5.9249	-5.9238	-5.9103	-5.9098
-5.8958	-5.8947	-4.3056	-4.2968	-4.2920	-4.2870	-4.2841	-4.2513
-4.2500	-4.2386	-4.2328	-4.2242	-4.2237	-4.1949	-4.1944	-4.1799
-4.0372	-4.0369	-3.9518	-3.9512	-3.9506	-3.8178	-3.8168	-3.8153
0.4513	0.4525	0.4543	1.3471	1.7369	1.7633	1.7791	1.8048

1.8254	1.8421	1.8846	2.1193	2.2153	2.2157	2.2161	2.5856
2.6807	3.3973	3.4107	3.4119	3.4389	3.4401	3.4458	3.4535
3.4605	3.4788						

k = 0.0000 0.0000 0.0000 ( 64705 PWs)      bands (ev):

-21.5840	-21.4724	-20.1857	-20.1849	-20.1840	-20.1836	-20.1832	-20.1819
-20.0352	-20.0347	-20.0334	-20.0300	-20.0288	-20.0285	-18.0865	-18.0859
-18.0845	-18.0840	-18.0832	-18.0827	-17.9322	-17.9311	-17.9302	-17.0361
-17.0351	-17.0344	-17.0340	-17.0314	-17.0296	-15.8730	-15.8679	-15.8658
-15.1619	-15.1613	-15.1602	-12.3856	-12.3849	-12.3841	-12.0358	-12.0288
-12.0221	-12.0198	-12.0136	-12.0096	-11.0283	-11.0280	-11.0280	-11.0273
-11.0268	-11.0258	-10.7556	-10.7539	-10.7514	-10.7505	-10.7485	-10.7465
-9.5967	-9.0371	-9.0368	-9.0362	-9.0356	-9.0351	-9.0349	-8.9546
-8.8820	-8.8762	-8.8721	-8.8706	-8.8704	-8.8608	-8.1098	-8.1092
-8.1084	-8.1082	-8.1072	-8.1068	-7.9952	-7.9930	-7.9857	-7.7098
-7.7079	-7.7045	-7.7034	-7.7030	-7.7007	-7.2577	-7.2572	-7.2568
-7.1816	-7.1811	-7.1806	-7.1796	-7.1795	-7.1775	-6.5071	-6.5066
-6.5052	-6.5046	-6.4979	-6.4975	-5.9118	-5.9113	-5.9100	-5.9095
-5.9091	-5.9072	-4.2968	-4.2920	-4.2721	-4.2720	-4.2699	-4.2665
-4.2660	-4.2630	-4.2105	-4.2102	-4.2099	-4.2092	-4.2086	-4.2084
-4.0370	-4.0367	-3.9517	-3.9509	-3.9506	-3.8175	-3.8164	-3.8153
0.4509	0.4522	0.4540	1.3470	1.7545	1.7796	1.7962	1.7973
1.8078	1.8166	1.8845	2.1192	2.2151	2.2154	2.2159	2.5855
2.6806	3.4241	3.4245	3.4257	3.4259	3.4264	3.4264	3.4620
3.4700	3.4745						

----- SPIN DOWN -----

k = 0.0000 0.0000 0.0000 ( 64705 PWs)      bands (ev):

-21.5823	-21.4723	-20.1857	-20.1848	-20.1839	-20.1836	-20.1831	-20.1818
-20.0335	-20.0330	-20.0317	-20.0283	-20.0271	-20.0268	-18.0864	-18.0858
-18.0844	-18.0839	-18.0831	-18.0826	-17.9320	-17.9310	-17.9300	-17.0345
-17.0334	-17.0327	-17.0324	-17.0298	-17.0280	-15.8710	-15.8660	-15.8639
-15.1608	-15.1602	-15.1591	-12.3857	-12.3849	-12.3841	-12.0343	-12.0272
-12.0206	-12.0182	-12.0121	-12.0081	-11.0282	-11.0280	-11.0280	-11.0272
-11.0267	-11.0258	-10.7549	-10.7532	-10.7507	-10.7498	-10.7478	-10.7458
-9.5922	-9.0371	-9.0368	-9.0362	-9.0356	-9.0351	-9.0349	-8.9546
-8.8808	-8.8750	-8.8710	-8.8695	-8.8693	-8.8597	-8.1098	-8.1092
-8.1084	-8.1082	-8.1071	-8.1068	-7.9946	-7.9923	-7.9850	-7.7052
-7.7032	-7.6998	-7.6988	-7.6984	-7.6960	-7.2577	-7.2571	-7.2568
-7.1815	-7.1810	-7.1805	-7.1795	-7.1794	-7.1774	-6.5065	-6.5060
-6.5046	-6.5040	-6.4972	-6.4969	-5.9118	-5.9113	-5.9100	-5.9094
-5.9090	-5.9072	-4.2960	-4.2912	-4.2679	-4.2678	-4.2657	-4.2626
-4.2620	-4.2592	-4.2095	-4.2091	-4.2087	-4.2079	-4.2074	-4.2071
-4.0369	-4.0367	-3.9515	-3.9507	-3.9503	-3.8122	-3.8111	-3.8100
0.4557	0.4571	0.4590	1.3474	1.7604	1.7855	1.8020	1.8031
1.8137	1.8224	1.8847	2.1193	2.2149	2.2152	2.2157	2.5857
2.6807	3.4240	3.4244	3.4255	3.4257	3.4262	3.4262	3.4624
3.4704	3.4749						

k = 0.0000-0.0079 0.0000 ( 64671 PWs)      bands (ev):

-21.5822	-21.4722	-20.2007	-20.1927	-20.1917	-20.1758	-20.1749	-20.1669
-20.0517	-20.0408	-20.0399	-20.0204	-20.0191	-20.0081	-18.1014	-18.1002
-18.0848	-18.0839	-18.0685	-18.0674	-17.9321	-17.9311	-17.9301	-17.0629
-17.0598	-17.0323	-17.0319	-17.0034	-17.0000	-15.8715	-15.8681	-15.8644
-15.1602	-15.1588	-15.1576	-12.3855	-12.3847	-12.3839	-12.0524	-12.0439
-12.0211	-12.0202	-11.9952	-11.9901	-11.0454	-11.0448	-11.0279	-11.0273
-11.0099	-11.0092	-10.7780	-10.7748	-10.7503	-10.7490	-10.7254	-10.7220

-9.5922	-9.0548	-9.0543	-9.0360	-9.0353	-9.0174	-9.0169	-8.9546
-8.9184	-8.8969	-8.8926	-8.8504	-8.8451	-8.8216	-8.1498	-8.1292
-8.1289	-8.0876	-8.0873	-8.0666	-7.9948	-7.9922	-7.9853	-7.7256
-7.7141	-7.7111	-7.6889	-7.6866	-7.6746	-7.2578	-7.2571	-7.2569
-7.2032	-7.1920	-7.1910	-7.1686	-7.1678	-7.1565	-6.5227	-6.5154
-6.5073	-6.4969	-6.4884	-6.4851	-5.9264	-5.9188	-5.9178	-5.9021
-5.9009	-5.8931	-4.2994	-4.2952	-4.2931	-4.2899	-4.2646	-4.2636
-4.2363	-4.2339	-4.2335	-4.2315	-4.2085	-4.2079	-4.1830	-4.1820
-4.0371	-4.0369	-3.9516	-3.9509	-3.9504	-3.8124	-3.8114	-3.8102
0.4559	0.4575	0.4593	1.3475	1.7418	1.7684	1.7924	1.8035
1.8335	1.8471	1.8848	2.1194	2.2151	2.2155	2.2159	2.5858
2.6808	3.4009	3.4010	3.4248	3.4255	3.4439	3.4497	3.4500
3.4658	3.4737						

k = 0.0000-0.0158 0.0000 ( 64661 PWs) bands (ev):

-21.5820	-21.4721	-20.2173	-20.2009	-20.1999	-20.1673	-20.1663	-20.1500
-20.0722	-20.0511	-20.0505	-20.0093	-20.0084	-19.9871	-18.1179	-18.1167
-18.0847	-18.0839	-18.0523	-18.0512	-17.9325	-17.9313	-17.9303	-17.0925
-17.0893	-17.0321	-17.0317	-16.9735	-16.9701	-15.8746	-15.8729	-15.8660
-15.1583	-15.1568	-15.1509	-12.3850	-12.3843	-12.3832	-12.0776	-12.0696
-12.0230	-12.0228	-11.9714	-11.9653	-11.0630	-11.0624	-11.0288	-11.0281
-10.9920	-10.9913	-10.8033	-10.8001	-10.7479	-10.7464	-10.6986	-10.6953
-9.5920	-9.0731	-9.0726	-9.0350	-9.0343	-8.9983	-8.9978	-8.9655
-8.9540	-8.9206	-8.9160	-8.8268	-8.8215	-8.7751	-8.1913	-8.1501
-8.1497	-8.0669	-8.0666	-8.0251	-7.9955	-7.9920	-7.9860	-7.7501
-7.7263	-7.7235	-7.6762	-7.6737	-7.6496	-7.2582	-7.2575	-7.2569
-7.2263	-7.2034	-7.2024	-7.1568	-7.1559	-7.1330	-6.5411	-6.5254
-6.5172	-6.4883	-6.4798	-6.4665	-5.9429	-5.9275	-5.9265	-5.8943
-5.8931	-5.8764	-4.3288	-4.3239	-4.2963	-4.2917	-4.2651	-4.2635
-4.2591	-4.2582	-4.2094	-4.2078	-4.2057	-4.2016	-4.1570	-4.1555
-4.0378	-4.0373	-3.9524	-3.9512	-3.9505	-3.8135	-3.8119	-3.8105
0.4564	0.4584	0.4608	1.3478	1.7095	1.7337	1.7917	1.8030
1.8655	1.8825	1.8852	2.1197	2.2154	2.2160	2.2171	2.5861
2.6811	3.3766	3.3767	3.4190	3.4244	3.4250	3.4531	3.4579
3.4744	3.4748						

k = 0.0000-0.0237 0.0000 ( 64643 PWs) bands (ev):

-21.5816	-21.4717	-20.2338	-20.2090	-20.2080	-20.1586	-20.1577	-20.1330
-20.0928	-20.0613	-20.0607	-19.9984	-19.9975	-19.9658	-18.1344	-18.1332
-18.0847	-18.0838	-18.0361	-18.0350	-17.9333	-17.9315	-17.9305	-17.1220
-17.1188	-17.0318	-17.0314	-16.9435	-16.9401	-15.8851	-15.8754	-15.8685
-15.1552	-15.1537	-15.1399	-12.3843	-12.3837	-12.3818	-12.1039	-12.0960
-12.0273	-12.0267	-11.9469	-11.9405	-11.0806	-11.0799	-11.0301	-11.0295
-10.9741	-10.9734	-10.8282	-10.8249	-10.7438	-10.7421	-10.6713	-10.6680
-9.5917	-9.0912	-9.0907	-9.0334	-9.0327	-9.0123	-8.9790	-8.9786
-8.9548	-8.9436	-8.9392	-8.8033	-8.7980	-8.7282	-8.2329	-8.1709
-8.1706	-8.0462	-8.0460	-7.9966	-7.9917	-7.9871	-7.9836	-7.7746
-7.7384	-7.7356	-7.6633	-7.6608	-7.6243	-7.2590	-7.2583	-7.2566
-7.2492	-7.2146	-7.2136	-7.1448	-7.1439	-7.1095	-6.5595	-6.5357
-6.5276	-6.4801	-6.4716	-6.4478	-5.9593	-5.9366	-5.9356	-5.8868
-5.8857	-5.8597	-4.3598	-4.3548	-4.2975	-4.2930	-4.2842	-4.2840
-4.2639	-4.2633	-4.2087	-4.2076	-4.1765	-4.1733	-4.1304	-4.1284
-4.0391	-4.0380	-3.9539	-3.9515	-3.9507	-3.8159	-3.8123	-3.8109
0.4571	0.4594	0.4638	1.3483	1.6747	1.6977	1.7908	1.8022
1.8857	1.9002	1.9186	2.1202	2.2161	2.2167	2.2191	2.5866
2.6816	3.3523	3.3525	3.3925	3.4235	3.4241	3.4399	3.4432
3.4990	3.4992						

k = 0.0000-0.0316 0.0000 ( 64699 PWs) bands (ev):

-21.5811	-21.4713	-20.2503	-20.2170	-20.2160	-20.1498	-20.1489	-20.1159
-20.1134	-20.0714	-20.0708	-19.9873	-19.9865	-19.9443	-18.1510	-18.1498
-18.0845	-18.0837	-18.0201	-18.0189	-17.9347	-17.9317	-17.9308	-17.1514
-17.1482	-17.0313	-17.0309	-16.9133	-16.9099	-15.8993	-15.8789	-15.8719
-15.1509	-15.1495	-15.1249	-12.3835	-12.3829	-12.3797	-12.1308	-12.1230
-12.0332	-12.0322	-11.9225	-11.9159	-11.0981	-11.0974	-11.0321	-11.0314
-10.9561	-10.9554	-10.8526	-10.8492	-10.7382	-10.7362	-10.6435	-10.6402
-9.5913	-9.1090	-9.1086	-9.0594	-9.0311	-9.0305	-8.9687	-8.9640
-8.9595	-8.9591	-8.9515	-8.7798	-8.7744	-8.6812	-8.2745	-8.1919
-8.1915	-8.0257	-8.0254	-7.9982	-7.9912	-7.9886	-7.9421	-7.7990
-7.7503	-7.7475	-7.6502	-7.6477	-7.5988	-7.2720	-7.2602	-7.2595
-7.2561	-7.2257	-7.2247	-7.1326	-7.1317	-7.0858	-6.5778	-6.5465
-6.5385	-6.4724	-6.4639	-6.4289	-5.9757	-5.9460	-5.9450	-5.8797
-5.8786	-5.8430	-4.3911	-4.3859	-4.3092	-4.3090	-4.2990	-4.2945
-4.2638	-4.2630	-4.2084	-4.2074	-4.1479	-4.1454	-4.1031	-4.1004
-4.0410	-4.0390	-3.9562	-3.9518	-3.9510	-3.8194	-3.8128	-3.8113
0.4582	0.4605	0.4681	1.3490	1.6392	1.6615	1.7897	1.8010
1.8864	1.9357	1.9549	2.1209	2.2169	2.2175	2.2221	2.5873
2.6824	3.3282	3.3284	3.3655	3.4221	3.4227	3.4268	3.4291
3.5191	3.5236						

k = 0.0000-0.0395 0.0000 ( 64739 PWs) bands (ev):

-21.5804	-21.4707	-20.2667	-20.2249	-20.2239	-20.1410	-20.1400	-20.1338
-20.0988	-20.0813	-20.0807	-19.9761	-19.9753	-19.9227	-18.1677	-18.1665
-18.0844	-18.0835	-18.0041	-18.0029	-17.9365	-17.9319	-17.9310	-17.1806
-17.1775	-17.0307	-17.0303	-16.8831	-16.8797	-15.9168	-15.8832	-15.8763
-15.1454	-15.1440	-15.1064	-12.3825	-12.3819	-12.3768	-12.1580	-12.1503
-12.0406	-12.0393	-11.8982	-11.8917	-11.1155	-11.1148	-11.0346	-11.0339
-10.9381	-10.9374	-10.8765	-10.8731	-10.7309	-10.7286	-10.6152	-10.6120
-9.5908	-9.1266	-9.1262	-9.1066	-9.0283	-9.0276	-8.9919	-8.9872
-8.9515	-8.9398	-8.9393	-8.7563	-8.7509	-8.6343	-8.3160	-8.2128
-8.2125	-8.0052	-8.0049	-8.0002	-7.9910	-7.9902	-7.9008	-7.8231
-7.7620	-7.7592	-7.6370	-7.6344	-7.5732	-7.2947	-7.2617	-7.2609
-7.2555	-7.2366	-7.2357	-7.1203	-7.1194	-7.0620	-6.5960	-6.5578
-6.5498	-6.4651	-6.4565	-6.4101	-5.9920	-5.9558	-5.9547	-5.8729
-5.8717	-5.8262	-4.4224	-4.4172	-4.3341	-4.3338	-4.3013	-4.2965
-4.2635	-4.2627	-4.2081	-4.2071	-4.1202	-4.1183	-4.0749	-4.0717
-4.0433	-4.0402	-3.9592	-3.9521	-3.9513	-3.8240	-3.8134	-3.8119
0.4595	0.4619	0.4738	1.3500	1.6034	1.6252	1.7882	1.7995
1.8873	1.9716	1.9912	2.1219	2.2180	2.2187	2.2260	2.5883
2.6833	3.3042	3.3044	3.3382	3.4128	3.4148	3.4213	3.4219
3.5208	3.5483						

k = 0.0000-0.0475 0.0000 ( 64747 PWs) bands (ev):

-21.5796	-21.4700	-20.2830	-20.2327	-20.2317	-20.1541	-20.1320	-20.1310
-20.0911	-20.0905	-20.0815	-19.9647	-19.9639	-19.9008	-18.1844	-18.1832
-18.0842	-18.0833	-17.9882	-17.9870	-17.9388	-17.9321	-17.9312	-17.2098
-17.2067	-17.0299	-17.0295	-16.8528	-16.8493	-15.9372	-15.8884	-15.8816
-15.1388	-15.1375	-15.0849	-12.3813	-12.3807	-12.3734	-12.1857	-12.1780
-12.0496	-12.0479	-11.8742	-11.8677	-11.1328	-11.1322	-11.0376	-11.0369
-10.9200	-10.9193	-10.8998	-10.8964	-10.7221	-10.7196	-10.5864	-10.5832
-9.5902	-9.1538	-9.1440	-9.1436	-9.0248	-9.0241	-9.0153	-9.0107
-8.9507	-8.9198	-8.9193	-8.7328	-8.7273	-8.5873	-8.3576	-8.2338
-8.2335	-8.0027	-7.9932	-7.9896	-7.9847	-7.9844	-7.8610	-7.8456
-7.7736	-7.7707	-7.6236	-7.6210	-7.5474	-7.3173	-7.2635	-7.2627
-7.2548	-7.2474	-7.2465	-7.1078	-7.1069	-7.0380	-6.6142	-6.5695
-6.5615	-6.4583	-6.4497	-6.3911	-6.0082	-5.9659	-5.9648	-5.8664
-5.8652	-5.8093	-4.4538	-4.4485	-4.3589	-4.3585	-4.3042	-4.2988
-4.2631	-4.2622	-4.2077	-4.2068	-4.0933	-4.0920	-4.0462	-4.0459
-4.0421	-4.0417	-3.9629	-3.9525	-3.9517	-3.8296	-3.8140	-3.8125

0.4612	0.4636	0.4808	1.3511	1.5674	1.5889	1.7863	1.7976
1.8884	2.0076	2.0277	2.1230	2.2194	2.2201	2.2306	2.5894
2.6844	3.2803	3.2805	3.3110	3.3997	3.4015	3.4193	3.4200
3.5222	3.5703						

k = 0.0000-0.0554 0.0000 ( 64767 PWs) bands (ev):

-21.5787	-21.4692	-20.2992	-20.2404	-20.2394	-20.1743	-20.1229	-20.1219
-20.1007	-20.1001	-20.0642	-19.9533	-19.9525	-19.8789	-18.2012	-18.2000
-18.0840	-18.0831	-17.9724	-17.9712	-17.9416	-17.9324	-17.9315	-17.2388
-17.2358	-17.0290	-17.0286	-16.8223	-16.8188	-15.9600	-15.8944	-15.8877
-15.1311	-15.1299	-15.0606	-12.3798	-12.3792	-12.3693	-12.2137	-12.2060
-12.0599	-12.0580	-11.8505	-11.8440	-11.1501	-11.1494	-11.0411	-11.0405
-10.9227	-10.9192	-10.9018	-10.9012	-10.7119	-10.7090	-10.5573	-10.5541
-9.5895	-9.2010	-9.1611	-9.1607	-9.0388	-9.0342	-9.0206	-9.0200
-8.9497	-8.8996	-8.8991	-8.7094	-8.7039	-8.5405	-8.3991	-8.2549
-8.2545	-8.0056	-7.9961	-7.9886	-7.9643	-7.9640	-7.8721	-7.8170
-7.7850	-7.7821	-7.6100	-7.6074	-7.5215	-7.3397	-7.2656	-7.2649
-7.2581	-7.2571	-7.2539	-7.0952	-7.0943	-7.0140	-6.6322	-6.5816
-6.5738	-6.4519	-6.4432	-6.3721	-6.0244	-5.9763	-5.9753	-5.8601
-5.8590	-5.7924	-4.4852	-4.4798	-4.3837	-4.3833	-4.3078	-4.3013
-4.2626	-4.2617	-4.2073	-4.2064	-4.0674	-4.0665	-4.0497	-4.0434
-4.0162	-4.0119	-3.9672	-3.9529	-3.9521	-3.8362	-3.8148	-3.8133
0.4631	0.4655	0.4890	1.3524	1.5313	1.5525	1.7842	1.7954
1.8897	2.0438	2.0641	2.1243	2.2211	2.2217	2.2362	2.5907
2.6858	3.2564	3.2567	3.2838	3.3867	3.3883	3.4172	3.4178
3.5236	3.5860						

k = 0.0000-0.0633 0.0000 ( 64767 PWs) bands (ev):

-21.5776	-21.4683	-20.3153	-20.2480	-20.2470	-20.1943	-20.1137	-20.1127
-20.1101	-20.1096	-20.0468	-19.9416	-19.9408	-19.8567	-18.2180	-18.2168
-18.0838	-18.0829	-17.9567	-17.9555	-17.9447	-17.9327	-17.9317	-17.2678
-17.2647	-17.0280	-17.0276	-16.7918	-16.7883	-15.9849	-15.9012	-15.8946
-15.1224	-15.1212	-15.0341	-12.3782	-12.3776	-12.3645	-12.2420	-12.2344
-12.0717	-12.0695	-11.8271	-11.8206	-11.1672	-11.1665	-11.0452	-11.0446
-10.9450	-10.9415	-10.8837	-10.8830	-10.7003	-10.6971	-10.5277	-10.5245
-9.5889	-9.2481	-9.1779	-9.1775	-9.0624	-9.0577	-9.0159	-9.0152
-8.9484	-8.8792	-8.8787	-8.6860	-8.6804	-8.4937	-8.4406	-8.2759
-8.2756	-8.0090	-7.9995	-7.9875	-7.9440	-7.9437	-7.8957	-7.7962
-7.7933	-7.7759	-7.5963	-7.5936	-7.4954	-7.3620	-7.2686	-7.2680
-7.2676	-7.2673	-7.2529	-7.0824	-7.0815	-6.9898	-6.6502	-6.5942
-6.5864	-6.4459	-6.4372	-6.3530	-6.0405	-5.9871	-5.9860	-5.8543
-5.8531	-5.7755	-4.5165	-4.5111	-4.4085	-4.4081	-4.3120	-4.3041
-4.2620	-4.2611	-4.2069	-4.2059	-4.0536	-4.0455	-4.0421	-4.0416
-3.9860	-3.9812	-3.9721	-3.9534	-3.9527	-3.8437	-3.8157	-3.8142
0.4654	0.4678	0.4984	1.3540	1.4952	1.5162	1.7817	1.7929
1.8913	2.0799	2.1005	2.1259	2.2230	2.2236	2.2426	2.5922
2.6873	3.2327	3.2330	3.2568	3.3739	3.3754	3.4148	3.4154
3.5252	3.6021						

k = 0.0000-0.0712 0.0000 ( 64767 PWs) bands (ev):

-21.5763	-21.4672	-20.3314	-20.2554	-20.2544	-20.2142	-20.1195	-20.1189
-20.1043	-20.1034	-20.0293	-19.9299	-19.9291	-19.8345	-18.2349	-18.2337
-18.0835	-18.0826	-17.9485	-17.9411	-17.9398	-17.9329	-17.9321	-17.2966
-17.2936	-17.0268	-17.0264	-16.7612	-16.7576	-16.0115	-15.9087	-15.9022
-15.1127	-15.1116	-15.0057	-12.3763	-12.3757	-12.3592	-12.2708	-12.2631
-12.0847	-12.0823	-11.8039	-11.7974	-11.1842	-11.1836	-11.0498	-11.0492
-10.9668	-10.9633	-10.8654	-10.8648	-10.6873	-10.6839	-10.4977	-10.4945
-9.5882	-9.2950	-9.1945	-9.1941	-9.0859	-9.0812	-9.0105	-9.0099
-8.9470	-8.8586	-8.8581	-8.6626	-8.6570	-8.4821	-8.4469	-8.2970

-8.2967	-8.0128	-8.0033	-7.9863	-7.9238	-7.9235	-7.9192	-7.8073
-7.8043	-7.7345	-7.5824	-7.5797	-7.4692	-7.3842	-7.2789	-7.2780
-7.2708	-7.2701	-7.2517	-7.0695	-7.0686	-6.9655	-6.6681	-6.6072
-6.5995	-6.4403	-6.4316	-6.3338	-6.0566	-5.9981	-5.9970	-5.8487
-5.8476	-5.7584	-4.5479	-4.5424	-4.4333	-4.4328	-4.3168	-4.3071
-4.2614	-4.2604	-4.2063	-4.2054	-4.0580	-4.0478	-4.0174	-4.0172
-3.9780	-3.9555	-3.9542	-3.9528	-3.9497	-3.8522	-3.8167	-3.8152
0.4679	0.4703	0.5091	1.3557	1.4591	1.4799	1.7789	1.7900
1.8930	2.1161	2.1276	2.1369	2.2251	2.2258	2.2498	2.5939
2.6891	3.2092	3.2094	3.2298	3.3612	3.3627	3.4120	3.4126
3.5270	3.6181						

k = 0.0000-0.0791 0.0000 ( 64785 PWs) bands (ev):

-21.5749	-21.4660	-20.3473	-20.2628	-20.2618	-20.2339	-20.1287	-20.1281
-20.0949	-20.0940	-20.0117	-19.9180	-19.9172	-19.8121	-18.2518	-18.2506
-18.0832	-18.0823	-17.9524	-17.9336	-17.9325	-17.9254	-17.9243	-17.3253
-17.3223	-17.0255	-17.0251	-16.7304	-16.7268	-16.0396	-15.9169	-15.9105
-15.1021	-15.1011	-14.9756	-12.3742	-12.3736	-12.3532	-12.2998	-12.2921
-12.0990	-12.0963	-11.7810	-11.7745	-11.2012	-11.2005	-11.0549	-11.0543
-10.9881	-10.9846	-10.8471	-10.8465	-10.6731	-10.6694	-10.4673	-10.4641
-9.5878	-9.3417	-9.2109	-9.2105	-9.1094	-9.1046	-9.0046	-9.0039
-8.9454	-8.8377	-8.8372	-8.6393	-8.6336	-8.5236	-8.4003	-8.3181
-8.3178	-8.0170	-8.0076	-7.9849	-7.9428	-7.9037	-7.9034	-7.8181
-7.8150	-7.6932	-7.5683	-7.5656	-7.4428	-7.4062	-7.2891	-7.2881
-7.2739	-7.2731	-7.2504	-7.0565	-7.0555	-6.9411	-6.6859	-6.6206
-6.6130	-6.4352	-6.4264	-6.3146	-6.0726	-6.0095	-6.0084	-5.8434
-5.8423	-5.7414	-4.5792	-4.5737	-4.4581	-4.4576	-4.3223	-4.3104
-4.2606	-4.2597	-4.2057	-4.2048	-4.0630	-4.0503	-3.9933	-3.9932
-3.9842	-3.9548	-3.9540	-3.9237	-3.9185	-3.8617	-3.8178	-3.8164
0.4707	0.4731	0.5210	1.3577	1.4230	1.4437	1.7758	1.7868
1.8949	2.1296	2.1523	2.1733	2.2275	2.2282	2.2579	2.5958
2.6910	3.1857	3.1860	3.2030	3.3488	3.3502	3.4090	3.4096
3.5289	3.6345						

k = 0.0000-0.0870 0.0000 ( 64797 PWs) bands (ev):

-21.5734	-21.4647	-20.3631	-20.2700	-20.2690	-20.2535	-20.1377	-20.1371
-20.0854	-20.0844	-19.9941	-19.9060	-19.9051	-19.7896	-18.2688	-18.2676
-18.0828	-18.0819	-17.9568	-17.9339	-17.9328	-17.9101	-17.9089	-17.3539
-17.3509	-17.0241	-17.0236	-16.6996	-16.6960	-16.0688	-15.9257	-15.9194
-15.0906	-15.0897	-14.9440	-12.3719	-12.3713	-12.3466	-12.3292	-12.3215
-12.1144	-12.1115	-11.7584	-11.7519	-11.2180	-11.2173	-11.0605	-11.0598
-11.0089	-11.0053	-10.8288	-10.8281	-10.6577	-10.6537	-10.4364	-10.4333
-9.5876	-9.3880	-9.2270	-9.2266	-9.1329	-9.1280	-8.9981	-8.9974
-8.9436	-8.8167	-8.8161	-8.6160	-8.6103	-8.5651	-8.3537	-8.3393
-8.3389	-8.0217	-8.0123	-7.9833	-7.9661	-7.8838	-7.8835	-7.8287
-7.8255	-7.6519	-7.5541	-7.5513	-7.4281	-7.4163	-7.2991	-7.2981
-7.2773	-7.2766	-7.2489	-7.0432	-7.0423	-6.9166	-6.7037	-6.6345
-6.6270	-6.4305	-6.4217	-6.2954	-6.0885	-6.0212	-6.0201	-5.8385
-5.8374	-5.7244	-4.6105	-4.6049	-4.4829	-4.4823	-4.3285	-4.3140
-4.2598	-4.2588	-4.2051	-4.2041	-4.0686	-4.0531	-3.9912	-3.9696
-3.9694	-3.9555	-3.9547	-3.8924	-3.8868	-3.8718	-3.8191	-3.8176
0.4739	0.4762	0.5340	1.3599	1.3870	1.4075	1.7723	1.7833
1.8971	2.1318	2.1884	2.2094	2.2302	2.2311	2.2668	2.5979
2.6932	3.1624	3.1627	3.1764	3.3365	3.3379	3.4057	3.4063
3.5311	3.6510						

k = 0.0000-0.0949 0.0000 ( 64793 PWs) bands (ev):

-21.5717	-21.4633	-20.3789	-20.2771	-20.2762	-20.2730	-20.1466	-20.1460
-20.0757	-20.0748	-19.9763	-19.8938	-19.8930	-19.7669	-18.2857	-18.2846

-18.0824	-18.0816	-17.9616	-17.9343	-17.9333	-17.8948	-17.8936	-17.3824
-17.3794	-17.0225	-17.0220	-16.6687	-16.6650	-16.0991	-15.9351	-15.9289
-15.0784	-15.0774	-14.9113	-12.3694	-12.3688	-12.3589	-12.3512	-12.3393
-12.1308	-12.1277	-11.7360	-11.7296	-11.2347	-11.2340	-11.0665	-11.0659
-11.0292	-11.0256	-10.8104	-10.8098	-10.6412	-10.6370	-10.4053	-10.4021
-9.5883	-9.4334	-9.2428	-9.2424	-9.1563	-9.1512	-8.9910	-8.9903
-8.9416	-8.7954	-8.7948	-8.6065	-8.5928	-8.5870	-8.3604	-8.3601
-8.3072	-8.0269	-8.0174	-7.9892	-7.9816	-7.8644	-7.8640	-7.8386
-7.8354	-7.6107	-7.5397	-7.5369	-7.4499	-7.3897	-7.3090	-7.3080
-7.2810	-7.2803	-7.2473	-7.0299	-7.0289	-6.8919	-6.7213	-6.6487
-6.6414	-6.4262	-6.4174	-6.2760	-6.1044	-6.0332	-6.0321	-5.8339
-5.8327	-5.7072	-4.6417	-4.6361	-4.5077	-4.5071	-4.3352	-4.3180
-4.2589	-4.2579	-4.2044	-4.2034	-4.0746	-4.0562	-3.9987	-3.9564
-3.9555	-3.9462	-3.9460	-3.8838	-3.8601	-3.8550	-3.8204	-3.8189
0.4773	0.4796	0.5483	1.3509	1.3622	1.3713	1.7685	1.7795
1.8994	2.1342	2.2236	2.2327	2.2341	2.2470	2.2766	2.6003
2.6955	3.1392	3.1395	3.1500	3.3244	3.3259	3.4020	3.4027
3.5334	3.6678						

k = 0.0000-0.1028 0.0000 ( 64787 PWs) bands (ev):

-21.5698	-21.4617	-20.3945	-20.2923	-20.2841	-20.2832	-20.1553	-20.1548
-20.0660	-20.0650	-19.9585	-19.8815	-19.8806	-19.7441	-18.3028	-18.3016
-18.0820	-18.0812	-17.9669	-17.9347	-17.9337	-17.8797	-17.8785	-17.4107
-17.4078	-17.0208	-17.0203	-16.6377	-16.6340	-16.1302	-15.9449	-15.9389
-15.0653	-15.0645	-14.8774	-12.3889	-12.3813	-12.3666	-12.3660	-12.3315
-12.1483	-12.1450	-11.7138	-11.7074	-11.2513	-11.2506	-11.0731	-11.0725
-11.0489	-11.0453	-10.7920	-10.7913	-10.6236	-10.6192	-10.3737	-10.3705
-9.5908	-9.4768	-9.2584	-9.2580	-9.1798	-9.1744	-8.9833	-8.9827
-8.9395	-8.7739	-8.7734	-8.6479	-8.5696	-8.5638	-8.3816	-8.3813
-8.2608	-8.0325	-8.0231	-8.0121	-7.9797	-7.8530	-7.8504	-7.8405
-7.8393	-7.5694	-7.5251	-7.5223	-7.4715	-7.3630	-7.3187	-7.3177
-7.2851	-7.2844	-7.2456	-7.0164	-7.0154	-6.8672	-6.7388	-6.6635
-6.6562	-6.4223	-6.4135	-6.2567	-6.1201	-6.0455	-6.0445	-5.8296
-5.8284	-5.6901	-4.6729	-4.6672	-4.5324	-4.5319	-4.3426	-4.3222
-4.2579	-4.2569	-4.2036	-4.2027	-4.0811	-4.0596	-4.0069	-3.9572
-3.9564	-3.9232	-3.9230	-3.8957	-3.8288	-3.8244	-3.8211	-3.8194
0.4810	0.4833	0.5637	1.3149	1.3351	1.3648	1.7644	1.7753
1.9020	2.1367	2.2356	2.2364	2.2611	2.2828	2.2876	2.6028
2.6981	3.1162	3.1165	3.1237	3.3126	3.3140	3.3981	3.3987
3.5359	3.6683						

k = 0.0000-0.1107 0.0000 ( 64765 PWs) bands (ev):

-21.5679	-21.4600	-20.4101	-20.3115	-20.2910	-20.2901	-20.1639	-20.1634
-20.0562	-20.0552	-19.9406	-19.8690	-19.8681	-19.7211	-18.3198	-18.3187
-18.0816	-18.0807	-17.9725	-17.9352	-17.9342	-17.8647	-17.8634	-17.4390
-17.4361	-17.0189	-17.0184	-16.6065	-16.6028	-16.1620	-15.9553	-15.9493
-15.0516	-15.0508	-14.8427	-12.4193	-12.4116	-12.3637	-12.3631	-12.3230
-12.1667	-12.1632	-11.6919	-11.6856	-11.2678	-11.2671	-11.0801	-11.0795
-11.0682	-11.0646	-10.7735	-10.7729	-10.6051	-10.6005	-10.3418	-10.3386
-9.5983	-9.5152	-9.2737	-9.2733	-9.2033	-9.1975	-8.9751	-8.9745
-8.9371	-8.7522	-8.7517	-8.6893	-8.5465	-8.5406	-8.4028	-8.4025
-8.2146	-8.0390	-8.0348	-8.0287	-7.9777	-7.8611	-7.8575	-7.8228
-7.8224	-7.5282	-7.5104	-7.5076	-7.4930	-7.3361	-7.3282	-7.3273
-7.2895	-7.2887	-7.2438	-7.0027	-7.0017	-6.8423	-6.7563	-6.6786
-6.6715	-6.4189	-6.4100	-6.2372	-6.1358	-6.0582	-6.0572	-5.8255
-5.8244	-5.6728	-4.7039	-4.6982	-4.5572	-4.5566	-4.3505	-4.3268
-4.2569	-4.2558	-4.2027	-4.2018	-4.0882	-4.0632	-4.0158	-3.9581
-3.9573	-3.9094	-3.9003	-3.8995	-3.8237	-3.8222	-3.7962	-3.7906
0.4850	0.4873	0.5802	1.2790	1.2990	1.3676	1.7600	1.7708
1.9047	2.1395	2.2392	2.2398	2.2938	2.3021	2.3193	2.6055

2.7009	3.0934	3.0937	3.0976	3.3009	3.3023	3.3938	3.3944
3.5386	3.6420						

k = 0.0000-0.1186 0.0000 ( 64769 PWs)      bands (ev):

-21.5657	-21.4582	-20.4256	-20.3306	-20.2978	-20.2968	-20.1724	-20.1719
-20.0462	-20.0452	-19.9227	-19.8564	-19.8555	-19.6980	-18.3369	-18.3358
-18.0811	-18.0802	-17.9785	-17.9358	-17.9348	-17.8497	-17.8485	-17.4671
-17.4642	-17.0169	-17.0164	-16.5753	-16.5715	-16.1943	-15.9660	-15.9602
-15.0372	-15.0364	-14.8073	-12.4499	-12.4423	-12.3605	-12.3599	-12.3139
-12.1859	-12.1823	-11.6702	-11.6639	-11.2841	-11.2834	-11.0876	-11.0870
-11.0869	-11.0833	-10.7550	-10.7544	-10.5857	-10.5809	-10.3096	-10.3063
-9.6175	-9.5418	-9.2887	-9.2883	-9.2268	-9.2205	-8.9664	-8.9658
-8.9346	-8.7308	-8.7303	-8.7297	-8.5234	-8.5175	-8.4240	-8.4237
-8.1685	-8.0580	-8.0447	-8.0354	-7.9755	-7.8708	-7.8669	-7.8034
-7.8031	-7.5144	-7.4956	-7.4926	-7.4871	-7.3376	-7.3367	-7.3091
-7.2942	-7.2934	-7.2417	-6.9889	-6.9879	-6.8174	-6.7737	-6.6942
-6.6873	-6.4158	-6.4069	-6.2178	-6.1515	-6.0712	-6.0702	-5.8218
-5.8207	-5.6556	-4.7350	-4.7292	-4.5820	-4.5814	-4.3590	-4.3317
-4.2557	-4.2547	-4.2018	-4.2009	-4.0958	-4.0671	-4.0252	-3.9591
-3.9583	-3.9229	-3.8778	-3.8772	-3.8253	-3.8239	-3.7642	-3.7586
0.4893	0.4916	0.5978	1.2431	1.2630	1.3706	1.7553	1.7660
1.9077	2.1425	2.2428	2.2434	2.3096	2.3346	2.3556	2.6084
2.7039	3.0707	3.0710	3.0716	3.2895	3.2909	3.3892	3.3898
3.5415	3.6159						

k = 0.0000-0.1265 0.0000 ( 64777 PWs)      bands (ev):

-21.5635	-21.4562	-20.4409	-20.3495	-20.3045	-20.3035	-20.1807	-20.1802
-20.0361	-20.0352	-19.9047	-19.8436	-19.8428	-19.6748	-18.3540	-18.3529
-18.0806	-18.0797	-17.9850	-17.9363	-17.9354	-17.8350	-17.8338	-17.4951
-17.4923	-17.0148	-17.0142	-16.5440	-16.5402	-16.2272	-15.9772	-15.9715
-15.0223	-15.0214	-14.7711	-12.4809	-12.4732	-12.3571	-12.3565	-12.3043
-12.2059	-12.2022	-11.6487	-11.6424	-11.3003	-11.2996	-11.1053	-11.1016
-11.0954	-11.0948	-10.7365	-10.7359	-10.5655	-10.5605	-10.2770	-10.2737
-9.6514	-9.5537	-9.3035	-9.3032	-9.2502	-9.2433	-8.9572	-8.9565
-8.9320	-8.7720	-8.7082	-8.7077	-8.5004	-8.4945	-8.4453	-8.4449
-8.1227	-8.0804	-8.0516	-8.0422	-7.9732	-7.8806	-7.8762	-7.7838
-7.7836	-7.5356	-7.4806	-7.4776	-7.4460	-7.3468	-7.3459	-7.2992
-7.2984	-7.2819	-7.2396	-6.9749	-6.9740	-6.7923	-6.7909	-6.7101
-6.7034	-6.4132	-6.4043	-6.1982	-6.1671	-6.0845	-6.0835	-5.8183
-5.8172	-5.6383	-4.7659	-4.7601	-4.6068	-4.6062	-4.3681	-4.3369
-4.2545	-4.2535	-4.2009	-4.1999	-4.1039	-4.0713	-4.0353	-3.9602
-3.9593	-3.9376	-3.8555	-3.8549	-3.8271	-3.8256	-3.7320	-3.7264
0.4938	0.4961	0.6165	1.2072	1.2271	1.3738	1.7502	1.7609
1.9108	2.1457	2.2467	2.2473	2.3228	2.3705	2.3919	2.6115
2.7070	3.0459	3.0481	3.0484	3.2782	3.2796	3.3844	3.3850
3.5446	3.5900						

k = 0.0000-0.1345 0.0000 ( 64765 PWs)      bands (ev):

-21.5610	-21.4541	-20.4562	-20.3682	-20.3110	-20.3101	-20.1889	-20.1884
-20.0260	-20.0250	-19.8866	-19.8308	-19.8299	-19.6515	-18.3712	-18.3700
-18.0801	-18.0792	-17.9918	-17.9369	-17.9360	-17.8203	-17.8191	-17.5230
-17.5202	-17.0125	-17.0119	-16.5126	-16.5088	-16.2604	-15.9886	-15.9830
-15.0067	-15.0058	-14.7343	-12.5121	-12.5045	-12.3535	-12.3529	-12.2940
-12.2267	-12.2229	-11.6274	-11.6211	-11.3164	-11.3157	-11.1231	-11.1194
-11.1037	-11.1031	-10.7179	-10.7173	-10.5446	-10.5394	-10.2441	-10.2408
-9.6931	-9.5578	-9.3181	-9.3177	-9.2736	-9.2659	-8.9474	-8.9468
-8.9291	-8.8132	-8.6859	-8.6854	-8.4776	-8.4716	-8.4665	-8.4661
-8.1026	-8.0773	-8.0589	-8.0495	-7.9708	-7.8903	-7.8852	-7.7644
-7.7641	-7.5567	-7.4654	-7.4623	-7.4050	-7.3559	-7.3550	-7.3045



-7.3037	-7.2547	-7.2373	-6.9608	-6.9599	-6.8080	-6.7672	-6.7264
-6.7200	-6.4110	-6.4020	-6.1825	-6.1787	-6.0981	-6.0971	-5.8152
-5.8141	-5.6211	-4.7968	-4.7909	-4.6316	-4.6310	-4.3778	-4.3425
-4.2532	-4.2522	-4.1998	-4.1989	-4.1126	-4.0757	-4.0461	-3.9613
-3.9605	-3.9532	-3.8336	-3.8331	-3.8287	-3.8273	-3.6999	-3.6941
0.4987	0.5009	0.6363	1.1715	1.1912	1.3772	1.7449	1.7555
1.9142	2.1491	2.2508	2.2514	2.3366	2.4065	2.4282	2.6149
2.7104	3.0203	3.0257	3.0261	3.2672	3.2686	3.3792	3.3798
3.5477	3.5645						

k = 0.0000-0.1424 0.0000 ( 64757 PWs) bands (ev):

-21.5585	-21.4519	-20.4714	-20.3869	-20.3175	-20.3165	-20.1969	-20.1964
-20.0157	-20.0147	-19.8684	-19.8177	-19.8168	-19.6280	-18.3883	-18.3872
-18.0795	-18.0786	-17.9991	-17.9376	-17.9366	-17.8058	-17.8046	-17.5508
-17.5480	-17.0101	-17.0095	-16.4811	-16.4772	-16.2939	-16.0004	-15.9949
-14.9906	-14.9897	-14.6969	-12.5436	-12.5360	-12.3497	-12.3491	-12.2831
-12.2481	-12.2442	-11.6063	-11.6001	-11.3323	-11.3316	-11.1404	-11.1367
-11.1124	-11.1118	-10.6993	-10.6987	-10.5229	-10.5175	-10.2109	-10.2076
-9.7378	-9.5589	-9.3323	-9.3320	-9.2971	-9.2883	-8.9372	-8.9365
-8.9261	-8.8544	-8.6635	-8.6629	-8.4877	-8.4874	-8.4548	-8.4488
-8.1247	-8.0668	-8.0575	-8.0321	-7.9682	-7.8998	-7.8934	-7.7450
-7.7447	-7.5776	-7.4501	-7.4469	-7.3648	-7.3641	-7.3638	-7.3101
-7.3094	-7.2349	-7.2274	-6.9466	-6.9456	-6.8250	-6.7456	-6.7400
-6.7366	-6.4091	-6.4002	-6.1979	-6.1591	-6.1121	-6.1110	-5.8123
-5.8112	-5.6038	-4.8276	-4.8216	-4.6564	-4.6558	-4.3881	-4.3483
-4.2518	-4.2508	-4.1987	-4.1978	-4.1217	-4.0803	-4.0574	-3.9695
-3.9625	-3.9617	-3.8311	-3.8298	-3.8112	-3.8107	-3.6676	-3.6618
0.5038	0.5060	0.6571	1.1358	1.1554	1.3808	1.7392	1.7497
1.9178	2.1527	2.2551	2.2557	2.3510	2.4426	2.4644	2.6184
2.7140	2.9949	3.0036	3.0040	3.2563	3.2577	3.3738	3.3744
3.5382	3.5519						

k = 0.0000-0.1503 0.0000 ( 64779 PWs) bands (ev):

-21.5558	-21.4496	-20.4864	-20.4054	-20.3238	-20.3229	-20.2048	-20.2043
-20.0053	-20.0044	-19.8502	-19.8046	-19.8037	-19.6043	-18.4055	-18.4044
-18.0789	-18.0780	-18.0067	-17.9383	-17.9373	-17.7915	-17.7903	-17.5784
-17.5757	-17.0076	-17.0070	-16.4496	-16.4456	-16.3278	-16.0124	-16.0071
-14.9740	-14.9731	-14.6591	-12.5753	-12.5678	-12.3456	-12.3450	-12.2717
-12.2702	-12.2661	-11.5854	-11.5792	-11.3481	-11.3474	-11.1572	-11.1536
-11.1215	-11.1209	-10.6807	-10.6801	-10.5006	-10.4950	-10.1775	-10.1741
-9.7839	-9.5588	-9.3464	-9.3460	-9.3205	-9.3104	-8.9264	-8.9258
-8.9230	-8.8956	-8.6408	-8.6403	-8.5090	-8.5086	-8.4321	-8.4261
-8.1464	-8.0750	-8.0656	-7.9890	-7.9654	-7.9092	-7.9000	-7.7257
-7.7255	-7.5984	-7.4346	-7.4314	-7.3736	-7.3726	-7.3232	-7.3160
-7.3152	-7.2324	-7.2000	-6.9322	-6.9312	-6.8420	-6.7607	-6.7545
-6.7161	-6.4076	-6.3987	-6.2133	-6.1395	-6.1263	-6.1253	-5.8097
-5.8086	-5.5864	-4.8583	-4.8523	-4.6812	-4.6806	-4.3990	-4.3545
-4.2503	-4.2493	-4.1976	-4.1967	-4.1313	-4.0853	-4.0694	-3.9865
-3.9637	-3.9629	-3.8332	-3.8318	-3.7896	-3.7890	-3.6354	-3.6296
0.5092	0.5114	0.6789	1.1001	1.1197	1.3846	1.7333	1.7437
1.9216	2.1566	2.2597	2.2603	2.3662	2.4787	2.5007	2.6221
2.7178	2.9697	2.9817	2.9820	3.2457	3.2471	3.3680	3.3687
3.5131	3.5554						

k = 0.0000-0.1582 0.0000 ( 64771 PWs) bands (ev):

-21.5529	-21.4472	-20.5014	-20.4237	-20.3300	-20.3291	-20.2126	-20.2121
-19.9949	-19.9939	-19.8319	-19.7913	-19.7904	-19.5805	-18.4227	-18.4216
-18.0783	-18.0774	-18.0146	-17.9390	-17.9380	-17.7773	-17.7761	-17.6060
-17.6032	-17.0049	-17.0043	-16.4180	-16.4139	-16.3618	-16.0247	-16.0194

-14.9570	-14.9560	-14.6208	-12.6074	-12.5998	-12.3414	-12.3408	-12.2928
-12.2886	-12.2597	-11.5646	-11.5584	-11.3638	-11.3631	-11.1736	-11.1699
-11.1310	-11.1304	-10.6620	-10.6614	-10.4777	-10.4720	-10.1437	-10.1403
-9.8305	-9.5581	-9.3601	-9.3597	-9.3439	-9.3321	-8.9367	-8.9196
-8.9152	-8.9146	-8.6180	-8.6174	-8.5302	-8.5299	-8.4096	-8.4035
-8.1679	-8.0835	-8.0742	-7.9626	-7.9522	-7.9184	-7.9000	-7.7066
-7.7063	-7.6191	-7.4190	-7.4157	-7.3821	-7.3812	-7.3223	-7.3216
-7.2823	-7.2297	-7.1726	-6.9178	-6.9167	-6.8587	-6.7782	-6.7723
-6.6907	-6.4066	-6.3976	-6.2285	-6.1409	-6.1398	-6.1198	-5.8075
-5.8063	-5.5691	-4.8889	-4.8828	-4.7060	-4.7054	-4.4104	-4.3609
-4.2488	-4.2478	-4.1964	-4.1954	-4.1414	-4.0904	-4.0820	-4.0042
-3.9651	-3.9643	-3.8354	-3.8341	-3.7682	-3.7676	-3.6032	-3.5973
0.5149	0.5171	0.7018	1.0646	1.0840	1.3887	1.7270	1.7373
1.9255	2.1606	2.2645	2.2651	2.3822	2.5147	2.5369	2.6260
2.7218	2.9447	2.9599	2.9603	3.2352	3.2366	3.3620	3.3627
3.4879	3.5593						

k = 0.0000-0.1661 0.0000 ( 64779 PWs) bands (ev):

-21.5499	-21.4446	-20.5163	-20.4419	-20.3362	-20.3352	-20.2202	-20.2197
-19.9843	-19.9833	-19.8135	-19.7778	-19.7769	-19.5566	-18.4399	-18.4388
-18.0776	-18.0767	-18.0230	-17.9397	-17.9388	-17.7632	-17.7620	-17.6334
-17.6307	-17.0021	-17.0014	-16.3967	-16.3856	-16.3821	-16.0372	-16.0320
-14.9395	-14.9384	-14.5822	-12.6396	-12.6321	-12.3369	-12.3363	-12.3159
-12.3117	-12.2471	-11.5440	-11.5378	-11.3793	-11.3786	-11.1895	-11.1859
-11.1408	-11.1402	-10.6433	-10.6427	-10.4542	-10.4484	-10.1097	-10.1063
-9.8776	-9.5575	-9.3736	-9.3732	-9.3672	-9.3533	-8.9778	-8.9161
-8.9036	-8.9030	-8.5950	-8.5944	-8.5515	-8.5512	-8.3873	-8.3811
-8.1891	-8.0925	-8.0832	-7.9595	-7.9377	-7.9274	-7.8777	-7.6875
-7.6873	-7.6396	-7.4035	-7.4001	-7.3904	-7.3893	-7.3288	-7.3281
-7.2415	-7.2269	-7.1451	-6.9033	-6.9020	-6.8752	-6.7960	-6.7905
-6.6652	-6.4059	-6.3969	-6.2437	-6.1557	-6.1547	-6.1001	-5.8055
-5.8043	-5.5517	-4.9194	-4.9133	-4.7308	-4.7301	-4.4224	-4.3677
-4.2472	-4.2462	-4.1951	-4.1942	-4.1521	-4.0959	-4.0952	-4.0226
-3.9665	-3.9656	-3.8377	-3.8364	-3.7469	-3.7463	-3.5709	-3.5651
0.5208	0.5230	0.7256	1.0292	1.0485	1.3929	1.7205	1.7307
1.9297	2.1648	2.2695	2.2701	2.3989	2.5508	2.5731	2.6302
2.7261	2.9199	2.9384	2.9387	3.2250	3.2263	3.3557	3.3564
3.4629	3.5633						

k = 0.0000-0.1740 0.0000 ( 64783 PWs) bands (ev):

-21.5467	-21.4419	-20.5310	-20.4600	-20.3421	-20.3412	-20.2276	-20.2271
-19.9736	-19.9726	-19.7951	-19.7642	-19.7633	-19.5326	-18.4572	-18.4560
-18.0769	-18.0760	-18.0317	-17.9405	-17.9396	-17.7493	-17.7481	-17.6607
-17.6580	-16.9991	-16.9984	-16.4306	-16.3542	-16.3503	-16.0498	-16.0447
-14.9216	-14.9205	-14.5431	-12.6721	-12.6646	-12.3395	-12.3352	-12.3323
-12.3317	-12.2339	-11.5235	-11.5174	-11.3946	-11.3939	-11.2050	-11.2013
-11.1510	-11.1504	-10.6246	-10.6240	-10.4303	-10.4243	-10.0755	-10.0720
-9.9248	-9.5571	-9.3906	-9.3868	-9.3865	-9.3738	-9.0188	-8.9124
-8.8916	-8.8910	-8.5730	-8.5725	-8.5715	-8.5710	-8.3655	-8.3589
-8.2096	-8.1020	-8.0926	-7.9564	-7.9404	-7.9362	-7.8381	-7.6686
-7.6684	-7.6600	-7.3994	-7.3984	-7.3869	-7.3833	-7.3357	-7.3350
-7.2239	-7.2008	-7.1176	-6.8938	-6.8872	-6.8864	-6.8142	-6.8091
-6.6395	-6.4056	-6.3966	-6.2587	-6.1709	-6.1699	-6.0804	-5.8037
-5.8026	-5.5343	-4.9499	-4.9436	-4.7556	-4.7549	-4.4349	-4.3748
-4.2455	-4.2445	-4.1938	-4.1928	-4.1632	-4.1090	-4.1016	-4.0416
-3.9679	-3.9671	-3.8402	-3.8388	-3.7259	-3.7253	-3.5387	-3.5328
0.5271	0.5292	0.7503	0.9938	1.0131	1.3973	1.7137	1.7238
1.9341	2.1693	2.2747	2.2754	2.4163	2.5868	2.6093	2.6345
2.7305	2.8952	2.9170	2.9174	3.2149	3.2163	3.3492	3.3498
3.4381	3.5676						

k = 0.0000-0.1819 0.0000 ( 64791 PWs) bands (ev):

-21.5434	-21.4391	-20.5457	-20.4779	-20.3480	-20.3471	-20.2349	-20.2344
-19.9628	-19.9618	-19.7766	-19.7505	-19.7495	-19.5084	-18.4744	-18.4733
-18.0762	-18.0753	-18.0407	-17.9413	-17.9404	-17.7356	-17.7344	-17.6879
-17.6852	-16.9960	-16.9953	-16.4651	-16.3223	-16.3184	-16.0626	-16.0576
-14.9033	-14.9021	-14.5038	-12.7049	-12.6974	-12.3636	-12.3592	-12.3274
-12.3268	-12.2202	-11.5032	-11.4971	-11.4098	-11.4090	-11.2200	-11.2164
-11.1615	-11.1609	-10.6059	-10.6053	-10.4059	-10.3998	-10.0410	-10.0374
-9.9722	-9.5572	-9.4139	-9.3998	-9.3994	-9.3934	-9.0597	-8.9085
-8.8792	-8.8785	-8.5940	-8.5937	-8.5484	-8.5478	-8.3445	-8.3369
-8.2291	-8.1118	-8.1025	-7.9534	-7.9467	-7.9448	-7.7946	-7.6802
-7.6498	-7.6496	-7.4073	-7.4063	-7.3711	-7.3673	-7.3428	-7.3421
-7.2209	-7.1602	-7.0903	-6.9088	-6.8729	-6.8722	-6.8327	-6.8280
-6.6137	-6.4057	-6.3967	-6.2737	-6.1864	-6.1854	-6.0607	-5.8022
-5.8011	-5.5168	-4.9802	-4.9739	-4.7804	-4.7797	-4.4480	-4.3823
-4.2438	-4.2428	-4.1924	-4.1914	-4.1749	-4.1235	-4.1075	-4.0612
-3.9694	-3.9686	-3.8427	-3.8414	-3.7052	-3.7045	-3.5066	-3.5007
0.5336	0.5357	0.7760	0.9586	0.9778	1.4020	1.7065	1.7165
1.9387	2.1739	2.2802	2.2809	2.4344	2.6228	2.6390	2.6454
2.7351	2.8708	2.8959	2.8963	3.2051	3.2064	3.3423	3.3430
3.4134	3.5721						

k = 0.0000-0.1898 0.0000 ( 64787 PWs) bands (ev):

-21.5400	-21.4361	-20.5603	-20.4957	-20.3538	-20.3528	-20.2421	-20.2416
-19.9519	-19.9509	-19.7581	-19.7366	-19.7357	-19.4841	-18.4916	-18.4905
-18.0754	-18.0746	-18.0502	-17.9422	-17.9412	-17.7221	-17.7208	-17.7149
-17.7123	-16.9928	-16.9921	-16.4997	-16.2904	-16.2864	-16.0755	-16.0706
-14.8846	-14.8834	-14.4641	-12.7378	-12.7303	-12.3880	-12.3836	-12.3223
-12.3217	-12.2059	-11.4830	-11.4769	-11.4247	-11.4240	-11.2346	-11.2310
-11.1723	-11.1717	-10.5871	-10.5865	-10.3811	-10.3749	-10.0198	-10.0063
-10.0027	-9.5583	-9.4372	-9.4125	-9.4121	-9.4117	-9.1006	-8.9045
-8.8663	-8.8657	-8.6153	-8.6149	-8.5249	-8.5243	-8.3257	-8.3151
-8.2463	-8.1221	-8.1127	-7.9552	-7.9536	-7.9486	-7.7502	-7.7003
-7.6312	-7.6310	-7.4152	-7.4143	-7.3549	-7.3509	-7.3503	-7.3496
-7.2176	-7.1197	-7.0632	-6.9250	-6.8579	-6.8571	-6.8513	-6.8470
-6.5878	-6.4061	-6.3971	-6.2886	-6.2022	-6.2011	-6.0409	-5.8010
-5.7999	-5.4994	-5.0105	-5.0040	-4.8051	-4.8044	-4.4617	-4.3900
-4.2419	-4.2410	-4.1909	-4.1899	-4.1870	-4.1387	-4.1137	-4.0812
-3.9710	-3.9702	-3.8453	-3.8440	-3.6846	-3.6840	-3.4745	-3.4685
0.5403	0.5424	0.8025	0.9235	0.9426	1.4068	1.6991	1.7090
1.9435	2.1788	2.2860	2.2866	2.4531	2.6437	2.6587	2.6814
2.7399	2.8465	2.8750	2.8754	3.1954	3.1968	3.3353	3.3359
3.3890	3.5768						

k = 0.0000-0.1977 0.0000 ( 64775 PWs) bands (ev):

-21.5364	-21.4331	-20.5747	-20.5133	-20.3594	-20.3585	-20.2491	-20.2486
-19.9409	-19.9400	-19.7394	-19.7226	-19.7216	-19.4596	-18.5089	-18.5077
-18.0747	-18.0738	-18.0599	-17.9431	-17.9421	-17.7419	-17.7393	-17.7087
-17.7075	-16.9895	-16.9887	-16.5343	-16.2583	-16.2543	-16.0885	-16.0837
-14.8656	-14.8643	-14.4242	-12.7709	-12.7635	-12.4128	-12.4083	-12.3170
-12.3164	-12.1911	-11.4629	-11.4569	-11.4395	-11.4388	-11.2488	-11.2452
-11.1834	-11.1828	-10.5683	-10.5677	-10.3559	-10.3496	-10.0673	-9.9714
-9.9677	-9.5610	-9.4604	-9.4282	-9.4249	-9.4246	-9.1415	-8.9003
-8.8531	-8.8525	-8.6366	-8.6362	-8.5012	-8.5006	-8.3136	-8.2934
-8.2566	-8.1328	-8.1234	-7.9626	-7.9618	-7.9454	-7.7203	-7.7053
-7.6127	-7.6125	-7.4230	-7.4221	-7.3581	-7.3574	-7.3387	-7.3344
-7.2142	-7.0792	-7.0368	-6.9412	-6.8705	-6.8658	-6.8426	-6.8418
-6.5619	-6.4069	-6.3979	-6.3034	-6.2182	-6.2172	-6.0211	-5.8000

-5.7989	-5.4819	-5.0406	-5.0340	-4.8298	-4.8291	-4.4759	-4.3980
-4.2401	-4.2391	-4.1996	-4.1894	-4.1884	-4.1546	-4.1201	-4.1017
-3.9726	-3.9718	-3.8480	-3.8468	-3.6643	-3.6637	-3.4424	-3.4364
0.5473	0.5494	0.8300	0.8885	0.9075	1.4118	1.6915	1.7012
1.9485	2.1838	2.2920	2.2926	2.4727	2.6486	2.6946	2.7175
2.7450	2.8225	2.8544	2.8548	3.1860	3.1873	3.3279	3.3285
3.3647	3.5817						

k = 0.0000-0.2056 0.0000 ( 64765 PWs) bands (ev):

-21.5326	-21.4299	-20.5891	-20.5308	-20.3650	-20.3640	-20.2560	-20.2555
-19.9298	-19.9289	-19.7208	-19.7084	-19.7075	-19.4350	-18.5261	-18.5250
-18.0739	-18.0731	-18.0699	-17.9440	-17.9430	-17.7687	-17.7661	-17.6955
-17.6943	-16.9860	-16.9851	-16.5691	-16.2262	-16.2221	-16.1016	-16.0969
-14.8463	-14.8449	-14.3839	-12.8043	-12.7969	-12.4379	-12.4334	-12.3115
-12.3109	-12.1757	-11.4542	-11.4535	-11.4430	-11.4370	-11.2626	-11.2589
-11.1948	-11.1942	-10.5495	-10.5489	-10.3303	-10.3239	-10.1149	-9.9363
-9.9326	-9.5658	-9.4837	-9.4423	-9.4371	-9.4367	-9.1822	-8.8959
-8.8395	-8.8389	-8.6578	-8.6575	-8.4773	-8.4767	-8.3161	-8.2717
-8.2524	-8.1438	-8.1345	-7.9705	-7.9699	-7.9417	-7.7401	-7.6604
-7.5944	-7.5941	-7.4307	-7.4297	-7.3661	-7.3654	-7.3223	-7.3177
-7.2107	-7.0388	-7.0118	-6.9572	-6.8901	-6.8833	-6.8273	-6.8264
-6.5358	-6.4080	-6.3990	-6.3182	-6.2346	-6.2336	-6.0013	-5.7993
-5.7982	-5.4644	-5.0707	-5.0639	-4.8545	-4.8538	-4.4907	-4.4063
-4.2381	-4.2371	-4.2127	-4.1878	-4.1868	-4.1712	-4.1268	-4.1226
-3.9743	-3.9735	-3.8509	-3.8496	-3.6443	-3.6436	-3.4104	-3.4044
0.5546	0.5566	0.8536	0.8584	0.8726	1.4171	1.6835	1.6932
1.9537	2.1891	2.2981	2.2987	2.4928	2.6537	2.7304	2.7502
2.7534	2.7987	2.8341	2.8345	3.1767	3.1781	3.3203	3.3209
3.3406	3.5865						

k = 0.0000-0.2135 0.0000 ( 64777 PWs) bands (ev):

-21.5288	-21.4265	-20.6033	-20.5482	-20.3704	-20.3695	-20.2627	-20.2623
-19.9187	-19.9177	-19.7020	-19.6941	-19.6932	-19.4103	-18.5433	-18.5422
-18.0805	-18.0730	-18.0721	-17.9449	-17.9439	-17.7954	-17.7928	-17.6825
-17.6812	-16.9823	-16.9815	-16.6038	-16.1940	-16.1899	-16.1148	-16.1102
-14.8266	-14.8252	-14.3435	-12.8378	-12.8304	-12.4634	-12.4588	-12.3058
-12.3052	-12.1598	-11.4686	-11.4679	-11.4231	-11.4171	-11.2759	-11.2723
-11.2064	-11.2058	-10.5306	-10.5300	-10.3045	-10.2979	-10.1626	-9.9010
-9.8972	-9.5734	-9.5069	-9.4533	-9.4490	-9.4486	-9.2229	-8.8913
-8.8256	-8.8249	-8.6791	-8.6787	-8.4533	-8.4527	-8.3300	-8.2501
-8.2370	-8.1553	-8.1460	-7.9784	-7.9777	-7.9378	-7.7597	-7.6155
-7.5762	-7.5759	-7.4382	-7.4372	-7.3745	-7.3738	-7.3058	-7.3008
-7.2071	-6.9985	-6.9904	-6.9730	-6.9105	-6.8971	-6.8117	-6.8108
-6.5096	-6.4095	-6.4005	-6.3328	-6.2512	-6.2502	-5.9816	-5.7989
-5.7977	-5.4469	-5.1006	-5.0937	-4.8792	-4.8785	-4.5060	-4.4149
-4.2361	-4.2351	-4.2263	-4.1888	-4.1861	-4.1852	-4.1437	-4.1337
-3.9760	-3.9752	-3.8538	-3.8525	-3.6245	-3.6239	-3.3785	-3.3725
0.5621	0.5641	0.8190	0.8378	0.8874	1.4225	1.6753	1.6848
1.9591	2.1946	2.3045	2.3051	2.5137	2.6590	2.7556	2.7658
2.7754	2.7890	2.8144	2.8145	3.1677	3.1690	3.3124	3.3130
3.3167	3.5768						

k = 0.0000-0.2214 0.0000 ( 64787 PWs) bands (ev):

-21.5247	-21.4231	-20.6175	-20.5654	-20.3757	-20.3748	-20.2693	-20.2689
-19.9074	-19.9064	-19.6833	-19.6797	-19.6787	-19.3855	-18.5606	-18.5594
-18.0913	-18.0721	-18.0712	-17.9459	-17.9449	-17.8220	-17.8194	-17.6696
-17.6684	-16.9785	-16.9777	-16.6386	-16.1618	-16.1576	-16.1279	-16.1235
-14.8067	-14.8051	-14.3028	-12.8714	-12.8642	-12.4891	-12.4845	-12.2999
-12.2993	-12.1433	-11.4828	-11.4821	-11.4034	-11.3974	-11.2888	-11.2852

-11.2184	-11.2178	-10.5117	-10.5111	-10.2783	-10.2717	-10.2103	-9.8656
-9.8617	-9.5841	-9.5300	-9.4610	-9.4606	-9.4603	-9.2635	-8.8866
-8.8113	-8.8107	-8.7004	-8.7000	-8.4291	-8.4285	-8.3477	-8.2284
-8.2178	-8.1672	-8.1579	-7.9862	-7.9854	-7.9337	-7.7792	-7.5706
-7.5582	-7.5579	-7.4455	-7.4446	-7.3832	-7.3824	-7.2892	-7.2838
-7.2033	-6.9886	-6.9783	-6.9584	-6.9314	-6.9016	-6.7960	-6.7951
-6.4834	-6.4113	-6.4024	-6.3474	-6.2681	-6.2671	-5.9618	-5.7986
-5.7975	-5.4294	-5.1305	-5.1233	-4.9039	-4.9032	-4.5218	-4.4238
-4.2404	-4.2340	-4.2330	-4.2071	-4.1844	-4.1835	-4.1649	-4.1409
-3.9778	-3.9770	-3.8568	-3.8555	-3.6050	-3.6043	-3.3467	-3.3407
0.5699	0.5719	0.7845	0.8032	0.9173	1.4282	1.6668	1.6763
1.9647	2.2002	2.3111	2.3117	2.5351	2.6645	2.7513	2.7614
2.7926	2.7934	2.8040	2.8260	3.1588	3.1601	3.2930	3.3043
3.3049	3.5528						

k = 0.0000-0.2294 0.0000 ( 64785 PWs) bands (ev):

-21.5205	-21.4195	-20.6315	-20.5824	-20.3809	-20.3800	-20.2757	-20.2753
-19.8960	-19.8950	-19.6651	-19.6644	-19.6641	-19.3605	-18.5778	-18.5767
-18.1023	-18.0712	-18.0703	-17.9469	-17.9459	-17.8484	-17.8459	-17.6570
-17.6558	-16.9746	-16.9737	-16.6734	-16.1418	-16.1371	-16.1290	-16.1249
-14.7864	-14.7848	-14.2619	-12.9053	-12.8980	-12.5151	-12.5105	-12.2937
-12.2932	-12.1263	-11.4969	-11.4961	-11.3838	-11.3777	-11.3014	-11.2978
-11.2305	-11.2299	-10.4928	-10.4922	-10.2580	-10.2518	-10.2452	-9.8300
-9.8260	-9.5977	-9.5531	-9.4720	-9.4717	-9.4655	-9.3041	-8.8817
-8.7967	-8.7961	-8.7216	-8.7212	-8.4048	-8.4042	-8.3667	-8.2069
-8.1974	-8.1793	-8.1701	-7.9938	-7.9930	-7.9295	-7.7986	-7.5403
-7.5401	-7.5259	-7.4527	-7.4517	-7.3921	-7.3914	-7.2726	-7.2666
-7.1994	-7.0041	-6.9815	-6.9528	-6.9183	-6.8912	-6.7802	-6.7793
-6.4571	-6.4134	-6.4045	-6.3618	-6.2854	-6.2843	-5.9420	-5.7986
-5.7975	-5.4119	-5.1602	-5.1528	-4.9285	-4.9278	-4.5382	-4.4330
-4.2549	-4.2318	-4.2309	-4.2265	-4.1861	-4.1826	-4.1817	-4.1482
-3.9797	-3.9789	-3.8598	-3.8586	-3.5857	-3.5851	-3.3150	-3.3089
0.5779	0.5798	0.7501	0.7688	0.9480	1.4341	1.6581	1.6674
1.9705	2.2061	2.3179	2.3185	2.5573	2.6700	2.7283	2.7672
2.7741	2.7744	2.8384	2.8616	3.1501	3.1515	3.2694	3.2960
3.2966	3.5287						

k = 0.0000-0.2373 0.0000 ( 64789 PWs) bands (ev):

-21.5162	-21.4158	-20.6455	-20.5994	-20.3860	-20.3850	-20.2820	-20.2816
-19.8845	-19.8835	-19.6504	-19.6494	-19.6455	-19.3353	-18.5950	-18.5939
-18.1137	-18.0703	-18.0694	-17.9479	-17.9470	-17.8747	-17.8722	-17.6445
-17.6433	-16.9706	-16.9697	-16.7081	-16.1548	-16.1503	-16.0969	-16.0926
-14.7659	-14.7643	-14.2207	-12.9392	-12.9320	-12.5413	-12.5367	-12.2874
-12.2868	-12.1088	-11.5107	-11.5100	-11.3643	-11.3582	-11.3134	-11.3099
-11.2429	-11.2423	-10.4739	-10.4733	-10.3056	-10.2252	-10.2185	-9.7942
-9.7902	-9.6137	-9.5762	-9.4831	-9.4828	-9.4674	-9.3445	-8.8766
-8.7818	-8.7812	-8.7428	-8.7425	-8.3862	-8.3804	-8.3797	-8.1927
-8.1856	-8.1826	-8.1759	-8.0013	-8.0004	-7.9251	-7.8178	-7.5227
-7.5224	-7.4813	-7.4597	-7.4587	-7.4013	-7.4006	-7.2560	-7.2493
-7.1954	-7.0192	-6.9953	-6.9747	-6.8783	-6.8702	-6.7643	-6.7633
-6.4306	-6.4159	-6.4070	-6.3762	-6.3029	-6.3018	-5.9223	-5.7989
-5.7977	-5.3944	-5.1899	-5.1822	-4.9531	-4.9524	-4.5552	-4.4425
-4.2700	-4.2471	-4.2296	-4.2287	-4.2072	-4.1808	-4.1799	-4.1559
-3.9816	-3.9808	-3.8630	-3.8618	-3.5667	-3.5661	-3.2834	-3.2773
0.5862	0.5881	0.7159	0.7345	0.9795	1.4401	1.6491	1.6583
1.9765	2.2122	2.3249	2.3256	2.5800	2.6753	2.7058	2.7548
2.7552	2.7732	2.8740	2.8974	3.1417	3.1430	3.2461	3.2874
3.2880	3.5048						

k = 0.0000-0.2452 0.0000 ( 64781 PWs) bands (ev):

-21.5117	-21.4120	-20.6593	-20.6162	-20.3910	-20.3900	-20.2882	-20.2878
-19.8729	-19.8719	-19.6355	-19.6345	-19.6266	-19.3101	-18.6122	-18.6111
-18.1255	-18.0694	-18.0685	-17.9490	-17.9480	-17.9010	-17.8985	-17.6323
-17.6311	-16.9664	-16.9655	-16.7429	-16.1681	-16.1637	-16.0645	-16.0602
-14.7452	-14.7434	-14.1794	-12.9734	-12.9662	-12.5677	-12.5631	-12.2809
-12.2803	-12.0908	-11.5243	-11.5236	-11.3451	-11.3391	-11.3248	-11.3213
-11.2555	-11.2549	-10.4549	-10.4543	-10.3533	-10.1984	-10.1915	-9.7583
-9.7542	-9.6315	-9.5992	-9.4940	-9.4937	-9.4672	-9.3849	-8.8714
-8.7667	-8.7660	-8.7640	-8.7637	-8.4058	-8.3558	-8.3552	-8.2054
-8.1961	-8.1637	-8.1553	-8.0087	-8.0076	-7.9206	-7.8369	-7.5052
-7.5050	-7.4666	-7.4658	-7.4364	-7.4108	-7.4101	-7.2395	-7.2318
-7.1912	-7.0340	-7.0138	-6.9970	-6.8449	-6.8384	-6.7482	-6.7472
-6.4187	-6.4098	-6.4041	-6.3905	-6.3207	-6.3196	-5.9025	-5.7993
-5.7981	-5.3769	-5.2194	-5.2114	-4.9777	-4.9770	-4.5726	-4.4523
-4.2855	-4.2687	-4.2283	-4.2272	-4.2262	-4.1789	-4.1780	-4.1638
-3.9835	-3.9827	-3.8663	-3.8651	-3.5481	-3.5474	-3.2520	-3.2458
0.5947	0.5965	0.6819	0.7004	1.0116	1.4464	1.6399	1.6489
1.9827	2.2185	2.3322	2.3328	2.6034	2.6762	2.6882	2.7358
2.7362	2.7795	2.9096	2.9331	3.1334	3.1347	3.2230	3.2786
3.2792	3.4812						

k = 0.0000-0.2531 0.0000 ( 64787 PWs) bands (ev):

-21.5071	-21.4080	-20.6730	-20.6328	-20.3958	-20.3949	-20.2942	-20.2938
-19.8612	-19.8602	-19.6205	-19.6195	-19.6076	-19.2847	-18.6294	-18.6283
-18.1375	-18.0684	-18.0675	-17.9501	-17.9491	-17.9270	-17.9246	-17.6203
-17.6190	-16.9621	-16.9611	-16.7777	-16.1814	-16.1772	-16.0320	-16.0276
-14.7242	-14.7224	-14.1379	-13.0076	-13.0005	-12.5943	-12.5896	-12.2742
-12.2736	-12.0723	-11.5377	-11.5370	-11.3379	-11.3341	-11.3239	-11.3183
-11.2683	-11.2677	-10.4359	-10.4354	-10.4010	-10.1713	-10.1644	-9.7222
-9.7181	-9.6505	-9.6222	-9.5046	-9.5043	-9.4656	-9.4252	-8.8660
-8.7853	-8.7849	-8.7512	-8.7506	-8.4254	-8.3311	-8.3304	-8.2188
-8.2095	-8.1425	-8.1343	-8.0158	-8.0147	-7.9159	-7.8558	-7.4880
-7.4877	-7.4733	-7.4724	-7.4206	-7.4198	-7.3921	-7.2233	-7.2141
-7.1869	-7.0483	-7.0344	-7.0197	-6.8177	-6.7987	-6.7319	-6.7309
-6.4217	-6.4129	-6.4047	-6.3775	-6.3388	-6.3377	-5.8828	-5.8000
-5.7988	-5.3594	-5.2488	-5.2404	-5.0022	-5.0015	-4.5906	-4.4623
-4.3015	-4.2914	-4.2489	-4.2249	-4.2240	-4.1770	-4.1760	-4.1719
-3.9856	-3.9848	-3.8696	-3.8684	-3.5297	-3.5290	-3.2206	-3.2145
0.6034	0.6052	0.6482	0.6666	1.0445	1.4529	1.6304	1.6393
1.9891	2.2250	2.3396	2.3402	2.6273	2.6579	2.6902	2.7170
2.7174	2.7860	2.9452	2.9689	3.1253	3.1267	3.2000	3.2696
3.2702	3.4577						

k = 0.0000-0.2610 0.0000 ( 64787 PWs) bands (ev):

-21.5024	-21.4040	-20.6867	-20.6493	-20.4005	-20.3996	-20.3001	-20.2997
-19.8494	-19.8484	-19.6054	-19.6044	-19.5885	-19.2591	-18.6466	-18.6455
-18.1498	-18.0674	-18.0665	-17.9530	-17.9512	-17.9506	-17.9502	-17.6084
-17.6072	-16.9576	-16.9566	-16.8123	-16.1947	-16.1906	-15.9994	-15.9950
-14.7029	-14.7010	-14.0962	-13.0419	-13.0349	-12.6211	-12.6164	-12.2673
-12.2667	-12.0533	-11.5509	-11.5501	-11.3483	-11.3447	-11.3053	-11.2994
-11.2813	-11.2807	-10.4487	-10.4169	-10.4164	-10.1441	-10.1371	-9.6861
-9.6819	-9.6704	-9.6452	-9.5149	-9.5146	-9.4654	-9.4628	-8.8604
-8.8065	-8.8061	-8.7355	-8.7348	-8.4450	-8.3063	-8.3056	-8.2326
-8.2233	-8.1214	-8.1134	-8.0228	-8.0217	-7.9111	-7.8746	-7.4799
-7.4790	-7.4709	-7.4706	-7.4306	-7.4299	-7.3477	-7.2075	-7.1963
-7.1825	-7.0618	-7.0561	-7.0428	-6.7896	-6.7590	-6.7155	-6.7145
-6.4251	-6.4188	-6.4163	-6.3571	-6.3561	-6.3509	-5.8632	-5.8008
-5.7996	-5.3419	-5.2781	-5.2693	-5.0267	-5.0260	-4.6091	-4.4727
-4.3179	-4.3150	-4.2696	-4.2225	-4.2216	-4.1802	-4.1749	-4.1740

-3.9876	-3.9868	-3.8730	-3.8719	-3.5116	-3.5109	-3.1895	-3.1833
0.6117	0.6132	0.6162	0.6330	1.0781	1.4595	1.6207	1.6295
1.9957	2.2317	2.3472	2.3479	2.6354	2.6523	2.6962	2.6986
2.6990	2.7926	2.9808	3.0045	3.1175	3.1188	3.1773	3.2603
3.2610	3.4344						

k = 0.0000-0.2689 0.0000 ( 64781 PWs)      bands (ev):

-21.4974	-21.3998	-20.7002	-20.6657	-20.4052	-20.4042	-20.3058	-20.3054
-19.8375	-19.8365	-19.5901	-19.5891	-19.5695	-19.2335	-18.6638	-18.6627
-18.1624	-18.0663	-18.0654	-17.9788	-17.9764	-17.9523	-17.9514	-17.5968
-17.5956	-16.9530	-16.9520	-16.8470	-16.2081	-16.2040	-15.9668	-15.9624
-14.6815	-14.6795	-14.0544	-13.0763	-13.0693	-12.6480	-12.6433	-12.2601
-12.2595	-12.0338	-11.5638	-11.5631	-11.3589	-11.3553	-11.2945	-11.2939
-11.2860	-11.2801	-10.4964	-10.3979	-10.3973	-10.1167	-10.1096	-9.6910
-9.6681	-9.6498	-9.6455	-9.5250	-9.5246	-9.5055	-9.4592	-8.8547
-8.8277	-8.8273	-8.7195	-8.7189	-8.4645	-8.2813	-8.2806	-8.2468
-8.2375	-8.1005	-8.0927	-8.0296	-8.0284	-7.9061	-7.8932	-7.4863
-7.4853	-7.4540	-7.4538	-7.4409	-7.4402	-7.3035	-7.1927	-7.1784
-7.1779	-7.0787	-7.0741	-7.0662	-6.7610	-6.7195	-6.6990	-6.6980
-6.4328	-6.4287	-6.4199	-6.3757	-6.3747	-6.3241	-5.8436	-5.8019
-5.8007	-5.3244	-5.3073	-5.2980	-5.0512	-5.0505	-4.6281	-4.4833
-4.3396	-4.3348	-4.2902	-4.2201	-4.2192	-4.1888	-4.1729	-4.1719
-3.9897	-3.9889	-3.8765	-3.8754	-3.4938	-3.4931	-3.1585	-3.1523
0.5811	0.5995	0.6216	0.6235	1.1124	1.4664	1.6107	1.6194
2.0025	2.2386	2.3551	2.3558	2.6135	2.6770	2.6804	2.6810
2.7028	2.7995	3.0163	3.0401	3.1098	3.1112	3.1548	3.2509
3.2516	3.4113						

k = 0.0000-0.2768 0.0000 ( 64781 PWs)      bands (ev):

-21.4924	-21.3954	-20.7136	-20.6819	-20.4097	-20.4087	-20.3114	-20.3110
-19.8255	-19.8245	-19.5747	-19.5736	-19.5503	-19.2077	-18.6809	-18.6798
-18.1753	-18.0653	-18.0644	-18.0045	-18.0021	-17.9535	-17.9526	-17.5854
-17.5842	-16.9483	-16.9472	-16.8816	-16.2214	-16.2173	-15.9341	-15.9297
-14.6598	-14.6578	-14.0124	-13.1109	-13.1039	-12.6751	-12.6704	-12.2528
-12.2522	-12.0138	-11.5765	-11.5758	-11.3692	-11.3656	-11.3078	-11.3072
-11.2668	-11.2608	-10.5441	-10.3788	-10.3783	-10.0891	-10.0820	-9.7119
-9.6909	-9.6134	-9.6091	-9.5455	-9.5348	-9.5344	-9.4549	-8.8488
-8.8488	-8.8484	-8.7033	-8.7027	-8.4839	-8.2614	-8.2562	-8.2556
-8.2521	-8.0797	-8.0720	-8.0363	-8.0350	-7.9116	-7.9010	-7.4925
-7.4916	-7.4515	-7.4508	-7.4374	-7.4371	-7.2595	-7.1798	-7.1732
-7.1602	-7.1019	-7.0902	-7.0840	-6.7320	-6.6823	-6.6813	-6.6801
-6.4467	-6.4326	-6.4239	-6.3945	-6.3935	-6.2973	-5.8242	-5.8031
-5.8019	-5.3364	-5.3264	-5.3069	-5.0756	-5.0749	-4.6477	-4.4942
-4.3649	-4.3522	-4.3109	-4.2175	-4.2167	-4.1976	-4.1707	-4.1698
-3.9919	-3.9911	-3.8800	-3.8789	-3.4763	-3.4757	-3.1276	-3.1215
0.5480	0.5663	0.6310	0.6328	1.1473	1.4735	1.6005	1.6091
2.0096	2.2457	2.3632	2.3638	2.5914	2.6626	2.6630	2.7029
2.7096	2.8066	3.0517	3.0755	3.1023	3.1038	3.1325	3.2413
3.2420	3.3884						

k = 0.0000-0.2847 0.0000 ( 64763 PWs)      bands (ev):

-21.4872	-21.3910	-20.7269	-20.6979	-20.4140	-20.4131	-20.3168	-20.3164
-19.8135	-19.8125	-19.5592	-19.5581	-19.5311	-19.1817	-18.6980	-18.6969
-18.1884	-18.0642	-18.0633	-18.0301	-18.0278	-17.9547	-17.9538	-17.5743
-17.5730	-16.9434	-16.9423	-16.9162	-16.2347	-16.2307	-15.9014	-15.8969
-14.6379	-14.6358	-13.9702	-13.1455	-13.1386	-12.7023	-12.6976	-12.2453
-12.2447	-11.9933	-11.5890	-11.5882	-11.3792	-11.3757	-11.3213	-11.3207
-11.2475	-11.2415	-10.5917	-10.3598	-10.3592	-10.0615	-10.0543	-9.7332
-9.7137	-9.5854	-9.5770	-9.5726	-9.5443	-9.5440	-9.4501	-8.8700

-8.8696	-8.8426	-8.6869	-8.6863	-8.5031	-8.2763	-8.2671	-8.2310
-8.2304	-8.0592	-8.0516	-8.0427	-8.0415	-7.9299	-7.8958	-7.4986
-7.4976	-7.4624	-7.4617	-7.4210	-7.4208	-7.2156	-7.1707	-7.1683
-7.1421	-7.1255	-7.1143	-7.0902	-6.7027	-6.6655	-6.6644	-6.6407
-6.4605	-6.4368	-6.4281	-6.4136	-6.4126	-6.2704	-5.8049	-5.8045
-5.8033	-5.3653	-5.3546	-5.2894	-5.1000	-5.0992	-4.6677	-4.5053
-4.3909	-4.3700	-4.3317	-4.2150	-4.2141	-4.2066	-4.1685	-4.1676
-3.9941	-3.9933	-3.8836	-3.8826	-3.4592	-3.4585	-3.0970	-3.0908
0.5152	0.5334	0.6407	0.6424	1.1828	1.4808	1.5902	1.5985
2.0168	2.2531	2.3714	2.3721	2.5695	2.6451	2.6455	2.7167
2.7291	2.8139	3.0866	3.0950	3.0958	3.1106	3.1119	3.2315
3.2322	3.3658						

k = 0.0000-0.2926 0.0000 ( 64769 PWs) bands (ev):

-21.4818	-21.3864	-20.7401	-20.7139	-20.4183	-20.4174	-20.3221	-20.3217
-19.8013	-19.8003	-19.5435	-19.5423	-19.5119	-19.1556	-18.7152	-18.7141
-18.2019	-18.0631	-18.0622	-18.0556	-18.0533	-17.9559	-17.9550	-17.5633
-17.5621	-16.9507	-16.9384	-16.9373	-16.2479	-16.2440	-15.8687	-15.8642
-14.6158	-14.6136	-13.9279	-13.1801	-13.1733	-12.7296	-12.7249	-12.2376
-12.2370	-11.9724	-11.6012	-11.6005	-11.3888	-11.3853	-11.3349	-11.3344
-11.2283	-11.2223	-10.6393	-10.3407	-10.3401	-10.0337	-10.0264	-9.7547
-9.7365	-9.6252	-9.5536	-9.5533	-9.5404	-9.5360	-9.4448	-8.8911
-8.8907	-8.8364	-8.6702	-8.6696	-8.5222	-8.2916	-8.2824	-8.2057
-8.2051	-8.0492	-8.0479	-8.0385	-8.0312	-7.9481	-7.8904	-7.5045
-7.5035	-7.4735	-7.4728	-7.4048	-7.4046	-7.1720	-7.1676	-7.1634
-7.1498	-7.1391	-7.1233	-7.0898	-6.6733	-6.6486	-6.6474	-6.6016
-6.4743	-6.4412	-6.4330	-6.4326	-6.4320	-6.2434	-5.8061	-5.8049
-5.7857	-5.3942	-5.3824	-5.2719	-5.1243	-5.1236	-4.6882	-4.5167
-4.4175	-4.3882	-4.3527	-4.2158	-4.2123	-4.2115	-4.1662	-4.1653
-3.9964	-3.9956	-3.8873	-3.8863	-3.4423	-3.4417	-3.0666	-3.0604
0.4826	0.5008	0.6505	0.6523	1.2189	1.4882	1.5795	1.5878
2.0242	2.2606	2.3799	2.3805	2.5477	2.6279	2.6283	2.7240
2.7559	2.8214	3.0853	3.0887	3.0909	3.1227	3.1468	3.2216
3.2225	3.3433						

k = 0.0000-0.3005 0.0000 ( 64793 PWs) bands (ev):

-21.4763	-21.3817	-20.7532	-20.7296	-20.4225	-20.4215	-20.3273	-20.3269
-19.7890	-19.7880	-19.5276	-19.5265	-19.4927	-19.1294	-18.7323	-18.7312
-18.2155	-18.0809	-18.0786	-18.0619	-18.0610	-17.9572	-17.9562	-17.5526
-17.5514	-16.9851	-16.9333	-16.9321	-16.2611	-16.2573	-15.8359	-15.8314
-14.5935	-14.5913	-13.8854	-13.2148	-13.2080	-12.7570	-12.7523	-12.2297
-12.2291	-11.9510	-11.6131	-11.6124	-11.3982	-11.3947	-11.3487	-11.3481
-11.2091	-11.2031	-10.6870	-10.3215	-10.3210	-10.0059	-9.9985	-9.7763
-9.7592	-9.6649	-9.5626	-9.5623	-9.5038	-9.4993	-9.4391	-8.9123
-8.9119	-8.8299	-8.6534	-8.6528	-8.5411	-8.3073	-8.2981	-8.1803
-8.1797	-8.0553	-8.0540	-8.0185	-8.0112	-7.9660	-7.8848	-7.5102
-7.5093	-7.4849	-7.4842	-7.3889	-7.3887	-7.1746	-7.1714	-7.1639
-7.1583	-7.1282	-7.1048	-7.0824	-6.6439	-6.6315	-6.6300	-6.5625
-6.4879	-6.4527	-6.4517	-6.4458	-6.4373	-6.2164	-5.8078	-5.8066
-5.7669	-5.4229	-5.4099	-5.2545	-5.1486	-5.1479	-4.7093	-4.5284
-4.4446	-4.4069	-4.3739	-4.2253	-4.2096	-4.2088	-4.1639	-4.1630
-3.9987	-3.9979	-3.8911	-3.8901	-3.4259	-3.4252	-3.0364	-3.0303
0.4503	0.4685	0.6606	0.6623	1.2556	1.4959	1.5687	1.5768
2.0319	2.2683	2.3885	2.3892	2.5262	2.6111	2.6115	2.7315
2.7831	2.8291	3.0656	3.0814	3.0824	3.1575	3.1811	3.2117
3.2133	3.3210						

k = 0.0000-0.3084 0.0000 ( 64777 PWs) bands (ev):

-21.4707	-21.3769	-20.7662	-20.7453	-20.4265	-20.4256	-20.3323	-20.3319
----------	----------	----------	----------	----------	----------	----------	----------



-19.7766	-19.7756	-19.5116	-19.5105	-19.4734	-19.1031	-18.7493	-18.7482
-18.2295	-18.1061	-18.1038	-18.0608	-18.0599	-17.9584	-17.9575	-17.5422
-17.5409	-17.0195	-16.9280	-16.9268	-16.2743	-16.2705	-15.8031	-15.7985
-14.5710	-14.5687	-13.8428	-13.2495	-13.2428	-12.7845	-12.7798	-12.2216
-12.2210	-11.9291	-11.6248	-11.6241	-11.4072	-11.4037	-11.3626	-11.3620
-11.1899	-11.1838	-10.7346	-10.3024	-10.3018	-9.9779	-9.9706	-9.7981
-9.7818	-9.7045	-9.5714	-9.5711	-9.4672	-9.4626	-9.4330	-8.9334
-8.9330	-8.8233	-8.6364	-8.6358	-8.5599	-8.3234	-8.3141	-8.1549
-8.1542	-8.0612	-8.0599	-7.9986	-7.9917	-7.9834	-7.8791	-7.5158
-7.5149	-7.4965	-7.4958	-7.3732	-7.3730	-7.1995	-7.1894	-7.1798
-7.1530	-7.0866	-7.0842	-7.0700	-6.6165	-6.6143	-6.6104	-6.5236
-6.5014	-6.4726	-6.4716	-6.4507	-6.4422	-6.1893	-5.8097	-5.8085
-5.7485	-5.4515	-5.4368	-5.2370	-5.1728	-5.1721	-4.7308	-4.5403
-4.4721	-4.4261	-4.3953	-4.2349	-4.2069	-4.2061	-4.1615	-4.1606
-4.0011	-4.0003	-3.8949	-3.8939	-3.4097	-3.4091	-3.0065	-3.0003
0.4184	0.4365	0.6708	0.6725	1.2929	1.5038	1.5577	1.5657
2.0397	2.2763	2.3974	2.3980	2.5048	2.5946	2.5951	2.7393
2.8110	2.8370	3.0443	3.0746	3.0757	3.1890	3.1986	3.2049
3.2210	3.2989						

k = 0.0000-0.3164 0.0000 ( 64773 PWs) bands (ev):

-21.4649	-21.3720	-20.7791	-20.7608	-20.4304	-20.4295	-20.3371	-20.3367
-19.7642	-19.7632	-19.4955	-19.4944	-19.4540	-19.0766	-18.7663	-18.7652
-18.2437	-18.1312	-18.1289	-18.0596	-18.0587	-17.9597	-17.9588	-17.5319
-17.5307	-17.0538	-16.9226	-16.9214	-16.2874	-16.2837	-15.7703	-15.7657
-14.5483	-14.5460	-13.8000	-13.2843	-13.2776	-12.8121	-12.8074	-12.2133
-12.2127	-11.9068	-11.6363	-11.6355	-11.4159	-11.4125	-11.3766	-11.3760
-11.1707	-11.1646	-10.7821	-10.2832	-10.2827	-9.9500	-9.9425	-9.8199
-9.8044	-9.7439	-9.5799	-9.5796	-9.4308	-9.4280	-9.4243	-8.9545
-8.9541	-8.8166	-8.6192	-8.6186	-8.5786	-8.3397	-8.3305	-8.1293
-8.1286	-8.0670	-8.0657	-8.0018	-7.9787	-7.9715	-7.8733	-7.5212
-7.5203	-7.5084	-7.5077	-7.3578	-7.3576	-7.2249	-7.2150	-7.1909
-7.1476	-7.0672	-7.0551	-7.0412	-6.5971	-6.5967	-6.5826	-6.5148
-6.4927	-6.4917	-6.4849	-6.4558	-6.4473	-6.1622	-5.8118	-5.8105
-5.7307	-5.4800	-5.4630	-5.2196	-5.1970	-5.1963	-4.7528	-4.5525
-4.5001	-4.4457	-4.4169	-4.2448	-4.2041	-4.2033	-4.1591	-4.1581
-4.0035	-4.0027	-3.8988	-3.8978	-3.3939	-3.3933	-2.9769	-2.9707
0.3868	0.4048	0.6813	0.6830	1.3308	1.5119	1.5465	1.5543
2.0477	2.2844	2.4064	2.4070	2.4836	2.5786	2.5790	2.7472
2.8393	2.8451	3.0230	3.0680	3.0691	3.1884	3.1897	3.2304
3.2545	3.2771						

k = 0.0000-0.3243 0.0000 ( 64755 PWs) bands (ev):

-21.4590	-21.3669	-20.7918	-20.7761	-20.4342	-20.4333	-20.3418	-20.3415
-19.7516	-19.7506	-19.4793	-19.4781	-19.4347	-19.0500	-18.7833	-18.7823
-18.2581	-18.1562	-18.1539	-18.0584	-18.0575	-17.9611	-17.9601	-17.5220
-17.5207	-17.0880	-16.9170	-16.9158	-16.3004	-16.2968	-15.7375	-15.7328
-14.5255	-14.5231	-13.7572	-13.3191	-13.3125	-12.8397	-12.8350	-12.2048
-12.2043	-11.8840	-11.6474	-11.6467	-11.4243	-11.4209	-11.3906	-11.3901
-11.1515	-11.1454	-10.8297	-10.2640	-10.2635	-9.9219	-9.9144	-9.8417
-9.8269	-9.7833	-9.5881	-9.5878	-9.4205	-9.3936	-9.3887	-8.9755
-8.9751	-8.8096	-8.6018	-8.6012	-8.5971	-8.3565	-8.3473	-8.1036
-8.1029	-8.0727	-8.0714	-8.0193	-7.9593	-7.9521	-7.8673	-7.5265
-7.5256	-7.5205	-7.5198	-7.3427	-7.3425	-7.2507	-7.2410	-7.2032
-7.1421	-7.0482	-7.0383	-6.9982	-6.5796	-6.5790	-6.5527	-6.5281
-6.5130	-6.5120	-6.4610	-6.4526	-6.4463	-6.1349	-5.8139	-5.8127
-5.7138	-5.5084	-5.4882	-5.2211	-5.2204	-5.2022	-4.7753	-4.5649
-4.5284	-4.4657	-4.4389	-4.2549	-4.2013	-4.2005	-4.1565	-4.1556
-4.0059	-4.0051	-3.9027	-3.9018	-3.3785	-3.3779	-2.9476	-2.9413
0.3555	0.3735	0.6920	0.6937	1.3692	1.5202	1.5351	1.5428

2.0560	2.2928	2.4156	2.4162	2.4626	2.5628	2.5633	2.7553
2.8534	2.8681	3.0018	3.0617	3.0628	3.1783	3.1792	3.2554
3.2649	3.2895						

k = 0.0000-0.3322 0.0000 ( 64751 PWs) bands (ev):

-21.4529	-21.3617	-20.8045	-20.7913	-20.4379	-20.4370	-20.3464	-20.3460
-19.7390	-19.7380	-19.4629	-19.4617	-19.4152	-19.0233	-18.8003	-18.7992
-18.2728	-18.1810	-18.1788	-18.0572	-18.0563	-17.9624	-17.9614	-17.5122
-17.5110	-17.1221	-16.9114	-16.9101	-16.3134	-16.3098	-15.7047	-15.7000
-14.5024	-14.5000	-13.7142	-13.3538	-13.3473	-12.8674	-12.8627	-12.1962
-12.1956	-11.8608	-11.6583	-11.6576	-11.4324	-11.4290	-11.4048	-11.4042
-11.1323	-11.1262	-10.8772	-10.2448	-10.2443	-9.8939	-9.8864	-9.8634
-9.8494	-9.8225	-9.5961	-9.5958	-9.4135	-9.3568	-9.3519	-8.9966
-8.9962	-8.8025	-8.6154	-8.5843	-8.5837	-8.3736	-8.3644	-8.0782
-8.0778	-8.0771	-8.0768	-8.0366	-7.9401	-7.9330	-7.8611	-7.5329
-7.5322	-7.5316	-7.5307	-7.3278	-7.3277	-7.2769	-7.2673	-7.2161
-7.1365	-7.0289	-7.0207	-6.9552	-6.5620	-6.5613	-6.5414	-6.5337
-6.5327	-6.5225	-6.4664	-6.4581	-6.4078	-6.1076	-5.8162	-5.8150
-5.6985	-5.5366	-5.5116	-5.2452	-5.2445	-5.1848	-4.7983	-4.5775
-4.5571	-4.4862	-4.4610	-4.2652	-4.1984	-4.1977	-4.1540	-4.1531
-4.0084	-4.0076	-3.9067	-3.9058	-3.3635	-3.3628	-2.9185	-2.9123
0.3246	0.3426	0.7028	0.7045	1.4081	1.5235	1.5286	1.5312
2.0644	2.3013	2.4250	2.4256	2.4418	2.5474	2.5479	2.7636
2.8619	2.8973	2.9808	3.0556	3.0567	3.1676	3.1684	3.2339
3.2999	3.3247						

k = 0.0000-0.3401 0.0000 ( 64761 PWs) bands (ev):

-21.4466	-21.3564	-20.8171	-20.8063	-20.4415	-20.4406	-20.3508	-20.3504
-19.7262	-19.7252	-19.4463	-19.4452	-19.3958	-18.9964	-18.8173	-18.8162
-18.2877	-18.2057	-18.2035	-18.0559	-18.0550	-17.9638	-17.9628	-17.5028
-17.5015	-17.1562	-16.9056	-16.9043	-16.3263	-16.3228	-15.6719	-15.6671
-14.4792	-14.4768	-13.6710	-13.3886	-13.3821	-12.8951	-12.8905	-12.1874
-12.1868	-11.8372	-11.6689	-11.6682	-11.4401	-11.4368	-11.4191	-11.4185
-11.1132	-11.1070	-10.9247	-10.2256	-10.2250	-9.8858	-9.8720	-9.8655
-9.8617	-9.8579	-9.6038	-9.6035	-9.4064	-9.3200	-9.3150	-9.0176
-9.0172	-8.7952	-8.6336	-8.5666	-8.5660	-8.3910	-8.3818	-8.0834
-8.0823	-8.0537	-8.0520	-8.0512	-7.9212	-7.9142	-7.8548	-7.5455
-7.5448	-7.5366	-7.5356	-7.3133	-7.3131	-7.3034	-7.2940	-7.2294
-7.1307	-7.0096	-7.0025	-6.9124	-6.5551	-6.5539	-6.5534	-6.5442
-6.5435	-6.4923	-6.4720	-6.4638	-6.3695	-6.0803	-5.8186	-5.8174
-5.6861	-5.5647	-5.5321	-5.2692	-5.2685	-5.1674	-4.8217	-4.5904
-4.5862	-4.5071	-4.4835	-4.2757	-4.1955	-4.1948	-4.1513	-4.1504
-4.0109	-4.0101	-3.9108	-3.9099	-3.3488	-3.3482	-2.8898	-2.8836
0.2941	0.3120	0.7139	0.7155	1.4474	1.5117	1.5191	1.5374
2.0731	2.3101	2.4212	2.4345	2.4352	2.5325	2.5329	2.7722
2.8707	2.9270	2.9600	3.0497	3.0508	3.1566	3.1573	3.2127
3.3349	3.3598						

k = 0.0000-0.3480 0.0000 ( 64789 PWs) bands (ev):

-21.4403	-21.3510	-20.8296	-20.8212	-20.4450	-20.4440	-20.3551	-20.3547
-19.7134	-19.7124	-19.4297	-19.4285	-19.3764	-18.9694	-18.8342	-18.8331
-18.3028	-18.2303	-18.2281	-18.0546	-18.0537	-17.9651	-17.9642	-17.4936
-17.4923	-17.1902	-16.8996	-16.8983	-16.3392	-16.3357	-15.6391	-15.6343
-14.4559	-14.4533	-13.6278	-13.4233	-13.4169	-12.9229	-12.9183	-12.1783
-12.1778	-11.8132	-11.6792	-11.6785	-11.4476	-11.4443	-11.4334	-11.4328
-11.0940	-11.0878	-10.9722	-10.2063	-10.2058	-9.9075	-9.9007	-9.8942
-9.8375	-9.8298	-9.6113	-9.6110	-9.3990	-9.2831	-9.2781	-9.0386
-9.0382	-8.7878	-8.6516	-8.5488	-8.5482	-8.4088	-8.3996	-8.0886
-8.0876	-8.0705	-8.0261	-8.0253	-7.9025	-7.8957	-7.8483	-7.5584

-7.5577	-7.5414	-7.5404	-7.3303	-7.3210	-7.2990	-7.2989	-7.2429
-7.1248	-6.9901	-6.9838	-6.8698	-6.5757	-6.5746	-6.5674	-6.5264
-6.5256	-6.4779	-6.4700	-6.4611	-6.3313	-6.0529	-5.8211	-5.8199
-5.6786	-5.5927	-5.5475	-5.2931	-5.2924	-5.1501	-4.8456	-4.6155
-4.6036	-4.5284	-4.5062	-4.2864	-4.1926	-4.1919	-4.1486	-4.1477
-4.0135	-4.0127	-3.9148	-3.9140	-3.3345	-3.3339	-2.8615	-2.8553
0.2640	0.2819	0.7251	0.7268	1.4872	1.4999	1.5070	1.5463
2.0819	2.3190	2.4008	2.4442	2.4449	2.5179	2.5183	2.7809
2.8796	2.9392	2.9573	3.0440	3.0451	3.1454	3.1461	3.1916
3.3699	3.3949						

k = 0.0000-0.3559 0.0000 ( 64800 PWs) bands (ev):

-21.4337	-21.3454	-20.8420	-20.8359	-20.4483	-20.4474	-20.3592	-20.3589
-19.7004	-19.6994	-19.4129	-19.4116	-19.3569	-18.9423	-18.8510	-18.8500
-18.3181	-18.2547	-18.2525	-18.0533	-18.0524	-17.9665	-17.9656	-17.4847
-17.4834	-17.2241	-16.8935	-16.8922	-16.3520	-16.3486	-15.6064	-15.6015
-14.4324	-14.4298	-13.5844	-13.4579	-13.4516	-12.9507	-12.9461	-12.1691
-12.1686	-11.7887	-11.6893	-11.6885	-11.4548	-11.4515	-11.4478	-11.4472
-11.0748	-11.0686	-11.0196	-10.1870	-10.1865	-9.9396	-9.9294	-9.9166
-9.8093	-9.8016	-9.6185	-9.6182	-9.3915	-9.2463	-9.2412	-9.0595
-9.0592	-8.7802	-8.6694	-8.5309	-8.5303	-8.4268	-8.4177	-8.0941
-8.0933	-8.0861	-8.0001	-7.9994	-7.8842	-7.8775	-7.8417	-7.5715
-7.5708	-7.5460	-7.5451	-7.3574	-7.3483	-7.2851	-7.2850	-7.2564
-7.1187	-6.9704	-6.9648	-6.8274	-6.5969	-6.5959	-6.5803	-6.5084
-6.5077	-6.4836	-6.4756	-6.4308	-6.2933	-6.0255	-5.8237	-5.8224
-5.6788	-5.6206	-5.5552	-5.3170	-5.3163	-5.1328	-4.8700	-4.6451
-4.6170	-4.5502	-4.5292	-4.2973	-4.1896	-4.1889	-4.1458	-4.1449
-4.0161	-4.0153	-3.9190	-3.9181	-3.3207	-3.3200	-2.8336	-2.8274
0.2344	0.2523	0.7365	0.7382	1.4876	1.4947	1.5277	1.5554
2.0910	2.3281	2.3806	2.4541	2.4548	2.5037	2.5041	2.7898
2.8886	2.9189	2.9878	3.0384	3.0396	3.1341	3.1347	3.1708
3.4049	3.4300						

k = 0.0000-0.3638 0.0000 ( 64796 PWs) bands (ev):

-21.4271	-21.3397	-20.8544	-20.8503	-20.4515	-20.4506	-20.3632	-20.3629
-19.6874	-19.6864	-19.3959	-19.3947	-19.3374	-18.9150	-18.8679	-18.8668
-18.3337	-18.2790	-18.2769	-18.0520	-18.0511	-17.9680	-17.9670	-17.4760
-17.4747	-17.2578	-16.8873	-16.8860	-16.3647	-16.3613	-15.5737	-15.5688
-14.4087	-14.4061	-13.5410	-13.4925	-13.4862	-12.9786	-12.9740	-12.1598
-12.1592	-11.7638	-11.6990	-11.6983	-11.4623	-11.4617	-11.4616	-11.4584
-11.0673	-11.0554	-11.0494	-10.1677	-10.1672	-9.9783	-9.9512	-9.9388
-9.7812	-9.7734	-9.6254	-9.6251	-9.3837	-9.2094	-9.2043	-9.0805
-9.0801	-8.7724	-8.6871	-8.5129	-8.5123	-8.4452	-8.4361	-8.1062
-8.0982	-8.0954	-7.9740	-7.9733	-7.8662	-7.8596	-7.8349	-7.5848
-7.5841	-7.5505	-7.5495	-7.3850	-7.3760	-7.2715	-7.2714	-7.2700
-7.1126	-6.9506	-6.9454	-6.7852	-6.6184	-6.6174	-6.5931	-6.4919
-6.4904	-6.4874	-6.4812	-6.4001	-6.2554	-5.9980	-5.8263	-5.8251
-5.6878	-5.6483	-5.5539	-5.3408	-5.3401	-5.1156	-4.8949	-4.6749
-4.6306	-4.5724	-4.5524	-4.3084	-4.1866	-4.1859	-4.1430	-4.1421
-4.0187	-4.0179	-3.9232	-3.9223	-3.3072	-3.3065	-2.8061	-2.7999
0.2053	0.2231	0.7481	0.7498	1.4753	1.4823	1.5644	1.5688
2.1002	2.3373	2.3608	2.4642	2.4648	2.4899	2.4903	2.7990
2.8964	2.9003	3.0188	3.0331	3.0342	3.1226	3.1232	3.1502
3.4398	3.4650						

k = 0.0000-0.3717 0.0000 ( 64804 PWs) bands (ev):

-21.4203	-21.3339	-20.8671	-20.8642	-20.4547	-20.4537	-20.3670	-20.3667
-19.6743	-19.6733	-19.3788	-19.3776	-19.3178	-18.8876	-18.8847	-18.8836
-18.3494	-18.3032	-18.3011	-18.0507	-18.0498	-17.9694	-17.9685	-17.4676

-17.4663	-17.2915	-16.8810	-16.8796	-16.3773	-16.3740	-15.5410	-15.5361
-14.3849	-14.3822	-13.5271	-13.5209	-13.4971	-13.0065	-13.0019	-12.1502
-12.1496	-11.7386	-11.7084	-11.7077	-11.4767	-11.4762	-11.4683	-11.4651
-11.1145	-11.0364	-11.0302	-10.1483	-10.1478	-10.0169	-9.9731	-9.9610
-9.7530	-9.7452	-9.6321	-9.6318	-9.3757	-9.1725	-9.1673	-9.1014
-9.1010	-8.7645	-8.7046	-8.4948	-8.4942	-8.4640	-8.4548	-8.1222
-8.1028	-8.1007	-7.9479	-7.9472	-7.8485	-7.8422	-7.8278	-7.5984
-7.5977	-7.5548	-7.5538	-7.4128	-7.4040	-7.2836	-7.2583	-7.2581
-7.1062	-6.9307	-6.9259	-6.7432	-6.6402	-6.6392	-6.6058	-6.4960
-6.4883	-6.4716	-6.4708	-6.3693	-6.2178	-5.9705	-5.8290	-5.8278
-5.7040	-5.6759	-5.5454	-5.3645	-5.3639	-5.0983	-4.9201	-4.7050
-4.6444	-4.5949	-4.5759	-4.3197	-4.1836	-4.1829	-4.1401	-4.1392
-4.0214	-4.0206	-3.9274	-3.9266	-3.2941	-3.2935	-2.7791	-2.7729
0.1767	0.1945	0.7598	0.7615	1.4629	1.4698	1.5741	1.6098
2.1097	2.3392	2.3486	2.4742	2.4749	2.4767	2.4771	2.8083
2.8784	2.9078	3.0279	3.0291	3.0501	3.1109	3.1116	3.1298
3.4746	3.5000						

k = 0.0000-0.3796 0.0000 ( 64802 PWs) bands (ev):

-21.4133	-21.3280	-20.8806	-20.8771	-20.4576	-20.4567	-20.3707	-20.3704
-19.6611	-19.6601	-19.3616	-19.3603	-19.2983	-18.9014	-18.9003	-18.8601
-18.3654	-18.3273	-18.3252	-18.0493	-18.0484	-17.9709	-17.9699	-17.4595
-17.4582	-17.3251	-16.8745	-16.8731	-16.3898	-16.3866	-15.5085	-15.5035
-14.3609	-14.3582	-13.5614	-13.5553	-13.4535	-13.0344	-13.0298	-12.1405
-12.1399	-11.7175	-11.7169	-11.7127	-11.4912	-11.4907	-11.4747	-11.4714
-11.1618	-11.0171	-11.0109	-10.1290	-10.1284	-10.0554	-9.9949	-9.9831
-9.7249	-9.7170	-9.6385	-9.6383	-9.3674	-9.1357	-9.1304	-9.1223
-9.1219	-8.7564	-8.7219	-8.4831	-8.4766	-8.4760	-8.4739	-8.1384
-8.1073	-8.1053	-7.9218	-7.9210	-7.8313	-7.8259	-7.8198	-7.6122
-7.6115	-7.5589	-7.5580	-7.4410	-7.4323	-7.2971	-7.2454	-7.2452
-7.0998	-6.9106	-6.9061	-6.7014	-6.6621	-6.6611	-6.6184	-6.5020
-6.4944	-6.4533	-6.4526	-6.3384	-6.1802	-5.9429	-5.8318	-5.8305
-5.7245	-5.7034	-5.5324	-5.3882	-5.3876	-5.0811	-4.9459	-4.7354
-4.6584	-4.6179	-4.5996	-4.3312	-4.1805	-4.1798	-4.1371	-4.1363
-4.0241	-4.0233	-3.9317	-3.9309	-3.2815	-3.2808	-2.7525	-2.7463
0.1486	0.1664	0.7717	0.7734	1.4503	1.4570	1.5838	1.6514
2.1193	2.3205	2.3574	2.4636	2.4640	2.4848	2.4854	2.8178
2.8586	2.9175	3.0230	3.0242	3.0819	3.0992	3.0998	3.1096
3.5094	3.5349						

k = 0.0000-0.3875 0.0000 ( 64790 PWs) bands (ev):

-21.4062	-21.3219	-20.8944	-20.8893	-20.4605	-20.4596	-20.3743	-20.3740
-19.6478	-19.6468	-19.3442	-19.3430	-19.2787	-18.9181	-18.9171	-18.8324
-18.3815	-18.3512	-18.3491	-18.0479	-18.0470	-17.9723	-17.9714	-17.4517
-17.4504	-17.3586	-16.8679	-16.8664	-16.4023	-16.3991	-15.4760	-15.4709
-14.3368	-14.3340	-13.5957	-13.5896	-13.4097	-13.0622	-13.0577	-12.1306
-12.1300	-11.7263	-11.7256	-11.6868	-11.5058	-11.5052	-11.4807	-11.4775
-11.2091	-10.9979	-10.9916	-10.1096	-10.1090	-10.0937	-10.0167	-10.0052
-9.6968	-9.6889	-9.6447	-9.6444	-9.3590	-9.1432	-9.1428	-9.0988
-9.0935	-8.7486	-8.7386	-8.5024	-8.4933	-8.4583	-8.4577	-8.1547
-8.1115	-8.1096	-7.8956	-7.8948	-7.8162	-7.8131	-7.8068	-7.6261
-7.6255	-7.5629	-7.5620	-7.4695	-7.4609	-7.3105	-7.2328	-7.2326
-7.0932	-6.8904	-6.8862	-6.6843	-6.6833	-6.6598	-6.6309	-6.5081
-6.5006	-6.4349	-6.4341	-6.3073	-6.1429	-5.9153	-5.8345	-5.8333
-5.7474	-5.7307	-5.5170	-5.4117	-5.4112	-5.0639	-4.9720	-4.7659
-4.6727	-4.6413	-4.6235	-4.3429	-4.1774	-4.1767	-4.1341	-4.1332
-4.0268	-4.0260	-3.9360	-3.9352	-3.2692	-3.2686	-2.7265	-2.7203
0.1211	0.1388	0.7838	0.7855	1.4376	1.4442	1.5937	1.6935
2.1292	2.3012	2.3673	2.4511	2.4516	2.4953	2.4960	2.8275
2.8390	2.9274	3.0182	3.0194	3.0873	3.0879	3.0896	3.1141

3.5289 3.5440

k = 0.0000-0.3954 0.0000 ( 64802 PWs) bands (ev):

-21.3989	-21.3157	-20.9083	-20.9012	-20.4633	-20.4623	-20.3777	-20.3774
-19.6344	-19.6334	-19.3267	-19.3254	-19.2591	-18.9348	-18.9337	-18.8047
-18.3979	-18.3750	-18.3730	-18.0466	-18.0457	-17.9738	-17.9729	-17.4441
-17.4428	-17.3921	-16.8611	-16.8597	-16.4146	-16.4115	-15.4436	-15.4385
-14.3126	-14.3097	-13.6297	-13.6238	-13.3658	-13.0901	-13.0856	-12.1205
-12.1199	-11.7348	-11.7341	-11.6604	-11.5204	-11.5198	-11.4865	-11.4833
-11.2563	-10.9786	-10.9723	-10.1319	-10.0901	-10.0896	-10.0384	-10.0272
-9.6687	-9.6607	-9.6506	-9.6504	-9.3504	-9.1641	-9.1636	-9.0620
-9.0566	-8.7566	-8.7391	-8.5221	-8.5130	-8.4399	-8.4393	-8.1708
-8.1156	-8.1138	-7.8693	-7.8686	-7.8076	-7.7973	-7.7909	-7.6403
-7.6397	-7.5667	-7.5658	-7.4983	-7.4897	-7.3239	-7.2206	-7.2205
-7.0865	-6.8701	-6.8660	-6.7066	-6.7057	-6.6433	-6.6184	-6.5142
-6.5069	-6.4162	-6.4154	-6.2762	-6.1057	-5.8876	-5.8374	-5.8361
-5.7716	-5.7579	-5.5003	-5.4351	-5.4347	-5.0468	-4.9986	-4.7966
-4.6871	-4.6650	-4.6477	-4.3547	-4.1743	-4.1736	-4.1310	-4.1301
-4.0296	-4.0288	-3.9403	-3.9396	-3.2574	-3.2568	-2.7010	-2.6948
0.0942	0.1119	0.7960	0.7977	1.4248	1.4312	1.6038	1.7360
2.1393	2.2820	2.3775	2.4390	2.4395	2.5060	2.5066	2.8195
2.8375	2.9375	3.0136	3.0148	3.0699	3.0753	3.0759	3.1466
3.5099	3.5535						

k = 0.0000-0.4034 0.0000 ( 64788 PWs) bands (ev):

-21.3915	-21.3094	-20.9222	-20.9129	-20.4659	-20.4650	-20.3810	-20.3806
-19.6209	-19.6199	-19.3091	-19.3078	-19.2396	-18.9514	-18.9504	-18.7768
-18.4144	-18.3987	-18.3967	-18.0451	-18.0442	-17.9753	-17.9744	-17.4369
-17.4356	-17.4254	-16.8542	-16.8527	-16.4269	-16.4238	-15.4114	-15.4062
-14.2882	-14.2853	-13.6636	-13.6578	-13.3217	-13.1180	-13.1135	-12.1102
-12.1097	-11.7430	-11.7422	-11.6336	-11.5349	-11.5344	-11.4921	-11.4889
-11.3036	-10.9593	-10.9529	-10.1699	-10.0707	-10.0702	-10.0601	-10.0492
-9.6563	-9.6560	-9.6406	-9.6326	-9.3416	-9.1849	-9.1845	-9.0252
-9.0198	-8.7732	-8.7307	-8.5420	-8.5329	-8.4215	-8.4209	-8.1867
-8.1195	-8.1177	-7.8430	-7.8423	-7.7999	-7.7813	-7.7750	-7.6547
-7.6541	-7.5704	-7.5695	-7.5273	-7.5189	-7.3372	-7.2088	-7.2087
-7.0797	-6.8496	-6.8458	-6.7292	-6.7282	-6.6557	-6.5773	-6.5204
-6.5132	-6.3975	-6.3966	-6.2450	-6.0687	-5.8600	-5.8402	-5.8389
-5.7965	-5.7849	-5.4834	-5.4583	-5.4576	-5.0297	-5.0256	-4.8275
-4.7018	-4.6892	-4.6721	-4.3668	-4.1711	-4.1705	-4.1278	-4.1270
-4.0324	-4.0316	-3.9446	-3.9439	-3.2461	-3.2455	-2.6761	-2.6699
0.0680	0.0857	0.8084	0.8101	1.4118	1.4180	1.6141	1.7788
2.1495	2.2630	2.3878	2.4274	2.4279	2.5168	2.5175	2.8003
2.8475	2.9479	3.0091	3.0105	3.0505	3.0632	3.0638	3.1794
3.4910	3.5491						

k = 0.0000-0.4113 0.0000 ( 64786 PWs) bands (ev):

-21.3840	-21.3030	-20.9359	-20.9245	-20.4684	-20.4675	-20.3841	-20.3838
-19.6074	-19.6063	-19.2913	-19.2900	-19.2200	-18.9680	-18.9669	-18.7487
-18.4310	-18.4222	-18.4202	-18.0437	-18.0428	-17.9768	-17.9759	-17.4586
-17.4299	-17.4286	-16.8472	-16.8457	-16.4391	-16.4360	-15.3793	-15.3741
-14.2637	-14.2607	-13.6973	-13.6916	-13.2776	-13.1459	-13.1414	-12.0998
-12.0992	-11.7508	-11.7501	-11.6064	-11.5495	-11.5490	-11.4973	-11.4941
-11.3507	-10.9400	-10.9336	-10.2078	-10.0817	-10.0710	-10.0512	-10.0507
-9.6617	-9.6614	-9.6126	-9.6046	-9.3326	-9.2057	-9.2053	-8.9885
-8.9830	-8.7898	-8.7219	-8.5623	-8.5532	-8.4030	-8.4024	-8.2026
-8.1233	-8.1215	-7.8167	-7.8160	-7.7922	-7.7656	-7.7595	-7.6694
-7.6687	-7.5740	-7.5731	-7.5566	-7.5483	-7.3503	-7.1975	-7.1973
-7.0727	-6.8290	-6.8253	-6.7519	-6.7510	-6.6678	-6.5365	-6.5264

-6.5194	-6.3786	-6.3777	-6.2137	-6.0319	-5.8430	-5.8417	-5.8322
-5.8219	-5.8118	-5.4840	-5.4816	-5.4622	-5.0530	-5.0126	-4.8586
-4.7167	-4.7138	-4.6967	-4.3790	-4.1680	-4.1673	-4.1246	-4.1238
-4.0352	-4.0344	-3.9490	-3.9484	-3.2352	-3.2346	-2.6518	-2.6457
0.0424	0.0601	0.8209	0.8227	1.3987	1.4048	1.6246	1.8220
2.1600	2.2442	2.3985	2.4163	2.4168	2.5278	2.5284	2.7812
2.8578	2.9584	3.0045	3.0063	3.0315	3.0510	3.0516	3.2126
3.4723	3.5448						

k = 0.0000-0.4192 0.0000 ( 64798 PWs) bands (ev):

-21.3763	-21.2965	-20.9495	-20.9360	-20.4708	-20.4699	-20.3871	-20.3867
-19.5937	-19.5927	-19.2734	-19.2721	-19.2004	-18.9846	-18.9835	-18.7205
-18.4479	-18.4457	-18.4437	-18.0423	-18.0414	-17.9784	-17.9774	-17.4917
-17.4233	-17.4220	-16.8401	-16.8385	-16.4511	-16.4481	-15.3474	-15.3422
-14.2390	-14.2360	-13.7308	-13.7251	-13.2334	-13.1737	-13.1693	-12.0893
-12.0887	-11.7583	-11.7576	-11.5789	-11.5641	-11.5636	-11.5023	-11.4991
-11.3979	-10.9206	-10.9142	-10.2455	-10.1034	-10.0929	-10.0317	-10.0312
-9.6669	-9.6666	-9.5847	-9.5766	-9.3233	-9.2264	-9.2260	-8.9519
-8.9462	-8.8063	-8.7130	-8.5828	-8.5738	-8.3845	-8.3839	-8.2182
-8.1269	-8.1250	-7.7904	-7.7896	-7.7845	-7.7504	-7.7445	-7.6842
-7.6835	-7.5869	-7.5797	-7.5760	-7.5754	-7.3634	-7.1865	-7.1864
-7.0656	-6.8084	-6.8049	-6.7748	-6.7739	-6.6799	-6.5325	-6.5257
-6.4956	-6.3595	-6.3587	-6.1823	-5.9953	-5.8475	-5.8458	-5.8445
-5.8385	-5.8045	-5.5063	-5.5050	-5.4447	-5.0808	-4.9957	-4.8898
-4.7387	-4.7317	-4.7215	-4.3914	-4.1648	-4.1641	-4.1213	-4.1205
-4.0381	-4.0373	-3.9535	-3.9528	-3.2248	-3.2241	-2.6282	-2.6221
0.0176	0.0352	0.8335	0.8353	1.3854	1.3914	1.6352	1.8655
2.1707	2.2256	2.4055	2.4060	2.4093	2.5388	2.5395	2.7624
2.8683	2.9692	2.9992	3.0022	3.0138	3.0387	3.0393	3.2461
3.4537	3.5407						

k = 0.0000-0.4271 0.0000 ( 64818 PWs) bands (ev):

-21.3685	-21.2898	-20.9630	-20.9473	-20.4731	-20.4722	-20.3899	-20.3896
-19.5800	-19.5790	-19.2553	-19.2540	-19.1807	-19.0010	-19.0000	-18.6922
-18.4689	-18.4670	-18.4649	-18.0408	-18.0399	-17.9799	-17.9790	-17.5247
-17.4169	-17.4156	-16.8328	-16.8312	-16.4631	-16.4602	-15.3158	-15.3105
-14.2142	-14.2112	-13.7639	-13.7583	-13.2017	-13.1974	-13.1886	-12.0785
-12.0779	-11.7655	-11.7647	-11.5787	-11.5781	-11.5510	-11.5071	-11.5039
-11.4449	-10.9012	-10.8947	-10.2831	-10.1249	-10.1146	-10.0122	-10.0117
-9.6718	-9.6715	-9.5568	-9.5487	-9.3139	-9.2472	-9.2468	-8.9153
-8.9095	-8.8225	-8.7039	-8.6037	-8.5946	-8.3659	-8.3653	-8.2338
-8.1303	-8.1285	-7.7766	-7.7640	-7.7633	-7.7356	-7.7299	-7.6992
-7.6985	-7.6165	-7.6084	-7.5802	-7.5793	-7.3764	-7.1760	-7.1759
-7.0584	-6.7983	-6.7975	-6.7872	-6.7838	-6.6918	-6.5384	-6.5317
-6.4553	-6.3404	-6.3395	-6.1509	-5.9589	-5.8732	-5.8651	-5.8486
-5.8473	-5.7767	-5.5293	-5.5282	-5.4260	-5.1091	-4.9787	-4.9211
-4.7639	-4.7470	-4.7465	-4.4040	-4.1616	-4.1609	-4.1179	-4.1172
-4.0410	-4.0402	-3.9579	-3.9573	-3.2148	-3.2141	-2.6053	-2.5992
-0.0065	0.0112	0.8463	0.8482	1.3721	1.3780	1.6461	1.9093
2.1815	2.2073	2.3953	2.3958	2.4203	2.5501	2.5507	2.7437
2.8789	2.9801	2.9886	2.9983	3.0019	3.0263	3.0269	3.2798
3.4353	3.5364						

k = 0.0000-0.4350 0.0000 ( 64816 PWs) bands (ev):

-21.3605	-21.2830	-20.9763	-20.9585	-20.4753	-20.4744	-20.3926	-20.3923
-19.5661	-19.5651	-19.2371	-19.2358	-19.1611	-19.0175	-19.0164	-18.6638
-18.4921	-18.4901	-18.4820	-18.0393	-18.0384	-17.9815	-17.9805	-17.5576
-17.4108	-17.4096	-16.8254	-16.8238	-16.4750	-16.4721	-15.2844	-15.2791
-14.1893	-14.1862	-13.7967	-13.7913	-13.2295	-13.2250	-13.1445	-12.0676

-12.0670	-11.7723	-11.7716	-11.5933	-11.5927	-11.5227	-11.5117	-11.5084
-11.4918	-10.8818	-10.8752	-10.3205	-10.1464	-10.1363	-9.9926	-9.9921
-9.6764	-9.6762	-9.5290	-9.5209	-9.3044	-9.2679	-9.2675	-8.8788
-8.8730	-8.8385	-8.6945	-8.6248	-8.6158	-8.3473	-8.3467	-8.2491
-8.1335	-8.1317	-7.7686	-7.7377	-7.7369	-7.7214	-7.7159	-7.7144
-7.7137	-7.6467	-7.6386	-7.5832	-7.5823	-7.3893	-7.1659	-7.1658
-7.0510	-6.8214	-6.8205	-6.7666	-6.7632	-6.7037	-6.5441	-6.5376
-6.4151	-6.3211	-6.3202	-6.1194	-5.9227	-5.8990	-5.8915	-5.8513
-5.8501	-5.7490	-5.5524	-5.5514	-5.4072	-5.1377	-4.9618	-4.9526
-4.7896	-4.7717	-4.7625	-4.4167	-4.1584	-4.1577	-4.1145	-4.1138
-4.0439	-4.0431	-3.9624	-3.9617	-3.2053	-3.2046	-2.5831	-2.5771
-0.0297	-0.0121	0.8592	0.8611	1.3587	1.3644	1.6572	1.9534
2.1887	2.1931	2.3856	2.3861	2.4315	2.5614	2.5621	2.7252
2.8897	2.9717	2.9909	2.9945	2.9969	3.0139	3.0145	3.3139
3.4172	3.5283						

k = 0.0000-0.4429 0.0000 ( 64828 PWs) bands (ev):

-21.3524	-21.2761	-20.9895	-20.9696	-20.4774	-20.4764	-20.3951	-20.3948
-19.5522	-19.5512	-19.2188	-19.2174	-19.1415	-19.0338	-19.0328	-18.6352
-18.5151	-18.5132	-18.4994	-18.0378	-18.0369	-17.9830	-17.9821	-17.5904
-17.4051	-17.4038	-16.8178	-16.8162	-16.4868	-16.4839	-15.2534	-15.2480
-14.1643	-14.1612	-13.8292	-13.8238	-13.2573	-13.2529	-13.0999	-12.0566
-12.0560	-11.7788	-11.7780	-11.6078	-11.6073	-11.5393	-11.5155	-11.5126
-11.4942	-10.8623	-10.8557	-10.3578	-10.1679	-10.1580	-9.9730	-9.9725
-9.6808	-9.6806	-9.5013	-9.4931	-9.2946	-9.2886	-9.2881	-8.8557
-8.8414	-8.8361	-8.6851	-8.6462	-8.6372	-8.3287	-8.3281	-8.2643
-8.1366	-8.1348	-7.7604	-7.7298	-7.7291	-7.7113	-7.7105	-7.7078
-7.7024	-7.6771	-7.6691	-7.5861	-7.5852	-7.4020	-7.1563	-7.1561
-7.0435	-6.8449	-6.8439	-6.7458	-6.7425	-6.7154	-6.5496	-6.5433
-6.3753	-6.3017	-6.3008	-6.0879	-5.9247	-5.9178	-5.8867	-5.8540
-5.8527	-5.7212	-5.5754	-5.5744	-5.3882	-5.1667	-4.9842	-4.9450
-4.8157	-4.7972	-4.7781	-4.4296	-4.1551	-4.1545	-4.1110	-4.1103
-4.0469	-4.0460	-3.9668	-3.9662	-3.1962	-3.1956	-2.5618	-2.5557
-0.0521	-0.0345	0.8722	0.8742	1.3451	1.3507	1.6685	1.9975
2.1715	2.2040	2.3764	2.3769	2.4430	2.5729	2.5736	2.7070
2.9006	2.9538	2.9909	2.9922	3.0013	3.0019	3.0031	3.3481
3.3992	3.5110						

k = 0.0000-0.4508 0.0000 ( 64836 PWs) bands (ev):

-21.3441	-21.2691	-21.0026	-20.9805	-20.4793	-20.4784	-20.3975	-20.3972
-19.5382	-19.5372	-19.2004	-19.1990	-19.1219	-19.0502	-19.0491	-18.6066
-18.5380	-18.5361	-18.5168	-18.0363	-18.0354	-17.9846	-17.9837	-17.6230
-17.3997	-17.3984	-16.8102	-16.8085	-16.4985	-16.4956	-15.2227	-15.2173
-14.1392	-14.1360	-13.8611	-13.8559	-13.2850	-13.2807	-13.0553	-12.0454
-12.0448	-11.7849	-11.7842	-11.6224	-11.6218	-11.5861	-11.5196	-11.5166
-11.4652	-10.8428	-10.8361	-10.3948	-10.1893	-10.1796	-9.9534	-9.9529
-9.6850	-9.6847	-9.4736	-9.4654	-9.3092	-9.3088	-9.2846	-8.8709
-8.8055	-8.7998	-8.6754	-8.6679	-8.6588	-8.3101	-8.3095	-8.2794
-8.1395	-8.1377	-7.7521	-7.7454	-7.7447	-7.7081	-7.7002	-7.6942
-7.6892	-7.6848	-7.6840	-7.5888	-7.5879	-7.4146	-7.1471	-7.1470
-7.0359	-6.8685	-6.8676	-6.7270	-6.7250	-6.7217	-6.5547	-6.5487
-6.3359	-6.2821	-6.2813	-6.0563	-5.9504	-5.9437	-5.8567	-5.8555
-5.8507	-5.6933	-5.5984	-5.5974	-5.3691	-5.1960	-5.0159	-4.9283
-4.8420	-4.8227	-4.7939	-4.4426	-4.1519	-4.1513	-4.1075	-4.1068
-4.0498	-4.0490	-3.9713	-3.9707	-3.1877	-3.1870	-2.5413	-2.5353
-0.0736	-0.0559	0.8853	0.8873	1.3315	1.3369	1.6799	2.0415
2.1546	2.2154	2.3676	2.3681	2.4546	2.5845	2.5851	2.6889
2.9115	2.9359	2.9864	2.9875	2.9903	2.9907	3.0145	3.3812
3.3828	3.4929						

k = 0.0000-0.4587 0.0000 ( 64850 PWs) bands (ev):

-21.3357	-21.2619	-21.0155	-20.9914	-20.4811	-20.4802	-20.3997	-20.3994
-19.5242	-19.5231	-19.1817	-19.1804	-19.1023	-19.0664	-19.0654	-18.5777
-18.5608	-18.5589	-18.5344	-18.0348	-18.0339	-17.9862	-17.9853	-17.6556
-17.3945	-17.3933	-16.8024	-16.8007	-16.5100	-16.5072	-15.1925	-15.1870
-14.1139	-14.1107	-13.8926	-13.8875	-13.3127	-13.3084	-13.0106	-12.0340
-12.0334	-11.7907	-11.7899	-11.6369	-11.6363	-11.6330	-11.5234	-11.5203
-11.4360	-10.8232	-10.8165	-10.4317	-10.2106	-10.2011	-9.9337	-9.9332
-9.6889	-9.6886	-9.4461	-9.4378	-9.3299	-9.3294	-9.2745	-8.8864
-8.7692	-8.7635	-8.6898	-8.6807	-8.6656	-8.2943	-8.2914	-8.2908
-8.1422	-8.1404	-7.7612	-7.7605	-7.7438	-7.7389	-7.7310	-7.6819
-7.6770	-7.6585	-7.6576	-7.5913	-7.5904	-7.4272	-7.1384	-7.1383
-7.0282	-6.8924	-6.8914	-6.7385	-6.7043	-6.7010	-6.5594	-6.5537
-6.2969	-6.2625	-6.2617	-6.0247	-5.9760	-5.9694	-5.8592	-5.8579
-5.8153	-5.6655	-5.6213	-5.6203	-5.3500	-5.2257	-5.0476	-4.9116
-4.8688	-4.8485	-4.8099	-4.4559	-4.1487	-4.1481	-4.1039	-4.1032
-4.0528	-4.0520	-3.9758	-3.9753	-3.1796	-3.1790	-2.5217	-2.5157
-0.0941	-0.0765	0.8985	0.9006	1.3178	1.3231	1.6916	2.0835
2.1402	2.2271	2.3593	2.3599	2.4665	2.5962	2.5968	2.6710
2.9157	2.9249	2.9755	2.9761	2.9854	2.9869	3.0263	3.3637
3.4171	3.4749						

k = 0.0000-0.4666 0.0000 ( 64828 PWs) bands (ev):

-21.3271	-21.2546	-21.0283	-21.0021	-20.4828	-20.4819	-20.4018	-20.4016
-19.5100	-19.5090	-19.1630	-19.1616	-19.0829	-19.0826	-19.0815	-18.5834
-18.5815	-18.5521	-18.5488	-18.0333	-18.0324	-17.9878	-17.9869	-17.6880
-17.3897	-17.3885	-16.7944	-16.7927	-16.5215	-16.5187	-15.1628	-15.1573
-14.0885	-14.0852	-13.9234	-13.9185	-13.3404	-13.3361	-12.9658	-12.0225
-12.0219	-11.7961	-11.7954	-11.6798	-11.6513	-11.6508	-11.5268	-11.5238
-11.4064	-10.8036	-10.7968	-10.4685	-10.2319	-10.2225	-9.9141	-9.9136
-9.6925	-9.6922	-9.4186	-9.4103	-9.3504	-9.3500	-9.2641	-8.9019
-8.7331	-8.7277	-8.7117	-8.7026	-8.6556	-8.3090	-8.2728	-8.2722
-8.1448	-8.1430	-7.7771	-7.7764	-7.7701	-7.7623	-7.7351	-7.6700
-7.6653	-7.6320	-7.6312	-7.5937	-7.5928	-7.4395	-7.1302	-7.1301
-7.0203	-6.9163	-6.9154	-6.7499	-6.6840	-6.6807	-6.5635	-6.5580
-6.2585	-6.2427	-6.2419	-6.0016	-5.9950	-5.9927	-5.8617	-5.8604
-5.7799	-5.6441	-5.6432	-5.6377	-5.3309	-5.2558	-5.0795	-4.8959
-4.8950	-4.8743	-4.8261	-4.4692	-4.1454	-4.1448	-4.1002	-4.0996
-4.0558	-4.0550	-3.9803	-3.9798	-3.1720	-3.1714	-2.5031	-2.4971
-0.1136	-0.0960	0.9119	0.9140	1.3040	1.3092	1.7035	2.1059
2.1457	2.2390	2.3516	2.3521	2.4785	2.6080	2.6086	2.6533
2.8990	2.9349	2.9629	2.9635	2.9824	2.9844	3.0383	3.3463
3.4504	3.4572						

k = 0.0000-0.4745 0.0000 ( 64824 PWs) bands (ev):

-21.3184	-21.2472	-21.0409	-21.0127	-20.4844	-20.4835	-20.4038	-20.4035
-19.4957	-19.4947	-19.1441	-19.1427	-19.0988	-19.0978	-19.0631	-18.6059
-18.6040	-18.5699	-18.5197	-18.0317	-18.0308	-17.9894	-17.9885	-17.7204
-17.3853	-17.3840	-16.7864	-16.7846	-16.5328	-16.5301	-15.1337	-15.1281
-14.0630	-14.0597	-13.9536	-13.9487	-13.3681	-13.3638	-12.9209	-12.0108
-12.0102	-11.8011	-11.8004	-11.7266	-11.6657	-11.6652	-11.5301	-11.5270
-11.3765	-10.7840	-10.7771	-10.5050	-10.2531	-10.2439	-9.8944	-9.8939
-9.6959	-9.6956	-9.3913	-9.3829	-9.3710	-9.3706	-9.2536	-8.9172
-8.7347	-8.7259	-8.6967	-8.6904	-8.6455	-8.3236	-8.2542	-8.2536
-8.1472	-8.1455	-7.8015	-7.7938	-7.7932	-7.7926	-7.7264	-7.6587
-7.6543	-7.6057	-7.6048	-7.5959	-7.5950	-7.4518	-7.1225	-7.1224
-7.0123	-6.9404	-6.9395	-6.7611	-6.6643	-6.6609	-6.5666	-6.5614
-6.2228	-6.2220	-6.2209	-6.0270	-6.0191	-5.9615	-5.8640	-5.8627
-5.7448	-5.6668	-5.6659	-5.6099	-5.3118	-5.2861	-5.1114	-4.9234



-4.9004	-4.8785	-4.8424	-4.4828	-4.1422	-4.1416	-4.0965	-4.0959
-4.0589	-4.0580	-3.9849	-3.9843	-3.1649	-3.1643	-2.4854	-2.4794
-0.1321	-0.1144	0.9253	0.9276	1.2902	1.2952	1.7156	2.0955
2.1846	2.2511	2.3443	2.3449	2.4908	2.6199	2.6206	2.6359
2.8814	2.9458	2.9502	2.9508	2.9797	2.9825	3.0504	3.3291
3.4391	3.4467						

k = 0.0000-0.4824 0.0000 ( 64832 PWs)      bands (ev):

-21.3095	-21.2397	-21.0534	-21.0232	-20.4859	-20.4850	-20.4056	-20.4053
-19.4814	-19.4804	-19.1251	-19.1237	-19.1149	-19.1139	-19.0436	-18.6283
-18.6264	-18.5879	-18.4905	-18.0302	-18.0293	-17.9910	-17.9901	-17.7526
-17.3811	-17.3798	-16.7782	-16.7764	-16.5440	-16.5414	-15.1053	-15.0997
-14.0374	-14.0341	-13.9829	-13.9782	-13.3957	-13.3914	-12.8759	-11.9990
-11.9984	-11.8058	-11.8051	-11.7733	-11.6801	-11.6795	-11.5330	-11.5300
-11.3463	-10.7643	-10.7573	-10.5413	-10.2743	-10.2652	-9.8746	-9.8741
-9.6990	-9.6987	-9.3915	-9.3911	-9.3640	-9.3557	-9.2429	-8.9323
-8.7573	-8.7484	-8.6607	-8.6545	-8.6352	-8.3380	-8.2356	-8.2349
-8.1495	-8.1477	-7.8332	-7.8255	-7.8095	-7.8088	-7.7176	-7.6481
-7.6439	-7.5979	-7.5970	-7.5793	-7.5785	-7.4639	-7.1153	-7.1152
-7.0042	-6.9647	-6.9638	-6.7723	-6.6459	-6.6425	-6.5678	-6.5630
-6.2028	-6.2020	-6.1849	-6.0524	-6.0421	-5.9299	-5.8662	-5.8649
-5.7099	-5.6894	-5.6885	-5.5820	-5.3167	-5.2927	-5.1434	-4.9512
-4.9266	-4.8621	-4.8589	-4.4964	-4.1389	-4.1383	-4.0927	-4.0921
-4.0619	-4.0610	-3.9894	-3.9889	-3.1583	-3.1577	-2.4688	-2.4629
-0.1494	-0.1318	0.9389	0.9412	1.2762	1.2811	1.7278	2.0799
2.2291	2.2634	2.3376	2.3382	2.5033	2.6186	2.6320	2.6326
2.8639	2.9373	2.9380	2.9561	2.9773	2.9818	3.0628	3.3121
3.3979	3.4219						

k = 0.0000-0.4904 0.0000 ( 64840 PWs)      bands (ev):

-21.3005	-21.2321	-21.0657	-21.0336	-20.4872	-20.4863	-20.4073	-20.4070
-19.4670	-19.4660	-19.1310	-19.1299	-19.1060	-19.1045	-19.0240	-18.6505
-18.6487	-18.6060	-18.4612	-18.0286	-18.0277	-17.9927	-17.9917	-17.7847
-17.3772	-17.3759	-16.7699	-16.7680	-16.5552	-16.5526	-15.0778	-15.0722
-14.0128	-14.0107	-14.0092	-14.0055	-13.4233	-13.4190	-12.8308	-11.9871
-11.9865	-11.8200	-11.8102	-11.8095	-11.6944	-11.6939	-11.5358	-11.5328
-11.3158	-10.7445	-10.7375	-10.5775	-10.2954	-10.2864	-9.8549	-9.8544
-9.7019	-9.7016	-9.4120	-9.4116	-9.3369	-9.3285	-9.2320	-8.9472
-8.7802	-8.7714	-8.6249	-8.6246	-8.6186	-8.3523	-8.2170	-8.2164
-8.1516	-8.1499	-7.8650	-7.8574	-7.8259	-7.8253	-7.7087	-7.6382
-7.6343	-7.5998	-7.5989	-7.5529	-7.5521	-7.4759	-7.1087	-7.1086
-6.9960	-6.9891	-6.9882	-6.7833	-6.6303	-6.6266	-6.5660	-6.5616
-6.1827	-6.1818	-6.1532	-6.0776	-6.0610	-5.8983	-5.8683	-5.8670
-5.7120	-5.7111	-5.6752	-5.5542	-5.3476	-5.2737	-5.1754	-4.9793
-4.9529	-4.8756	-4.8457	-4.5103	-4.1356	-4.1350	-4.0889	-4.0884
-4.0650	-4.0640	-3.9939	-3.9934	-3.1523	-3.1516	-2.4533	-2.4474
-0.1656	-0.1480	0.9525	0.9549	1.2623	1.2670	1.7403	2.0636
2.2737	2.2769	2.3314	2.3321	2.5159	2.6016	2.6441	2.6447
2.8466	2.9245	2.9251	2.9640	2.9751	2.9839	3.0754	3.2952
3.3479	3.4046						

k = 0.0000-0.4983 0.0000 ( 64826 PWs)      bands (ev):

-21.2914	-21.2243	-21.0779	-21.0439	-20.4885	-20.4875	-20.4088	-20.4085
-19.4525	-19.4515	-19.1470	-19.1459	-19.0867	-19.0852	-19.0045	-18.6726
-18.6708	-18.6242	-18.4317	-18.0270	-18.0261	-17.9943	-17.9934	-17.8167
-17.3737	-17.3724	-16.7614	-16.7596	-16.5662	-16.5636	-15.0513	-15.0457
-14.0386	-14.0344	-13.9858	-13.9823	-13.4508	-13.4466	-12.7857	-11.9750
-11.9744	-11.8667	-11.8141	-11.8134	-11.7087	-11.7081	-11.5383	-11.5353
-11.2850	-10.7247	-10.7177	-10.6135	-10.3164	-10.3076	-9.8351	-9.8346

-9.7045	-9.7043	-9.4325	-9.4321	-9.3099	-9.3015	-9.2209	-8.9620
-8.8034	-8.7945	-8.6140	-8.5890	-8.5828	-8.3664	-8.1984	-8.1978
-8.1536	-8.1519	-7.8970	-7.8895	-7.8425	-7.8418	-7.6996	-7.6290
-7.6254	-7.6015	-7.6006	-7.5266	-7.5258	-7.4878	-7.1026	-7.1025
-7.0137	-7.0128	-6.9876	-6.7942	-6.6193	-6.6155	-6.5590	-6.5550
-6.1624	-6.1616	-6.1358	-6.1027	-6.0659	-5.8702	-5.8690	-5.8669
-5.7345	-5.7335	-5.6407	-5.5265	-5.3787	-5.2547	-5.2074	-5.0078
-4.9793	-4.8924	-4.8294	-4.5242	-4.1324	-4.1318	-4.0850	-4.0846
-4.0681	-4.0670	-3.9984	-3.9979	-3.1467	-3.1461	-2.4389	-2.4330
-0.1806	-0.1629	0.9662	0.9686	1.2482	1.2528	1.7529	2.0471
2.2884	2.3196	2.3258	2.3281	2.5288	2.5847	2.6563	2.6569
2.8295	2.9116	2.9122	2.9674	2.9730	2.9910	3.0882	3.2785
3.2978	3.3875						

k = 0.0000-0.5062 0.0000 ( 64826 PWs) bands (ev):

-21.2821	-21.2164	-21.0899	-21.0540	-20.4896	-20.4887	-20.4102	-20.4099
-19.4379	-19.4369	-19.1629	-19.1619	-19.0673	-19.0658	-18.9850	-18.6946
-18.6928	-18.6425	-18.4021	-18.0255	-18.0245	-17.9959	-17.9950	-17.8486
-17.3705	-17.3692	-16.7529	-16.7510	-16.5771	-16.5745	-15.0261	-15.0204
-14.0646	-14.0606	-13.9599	-13.9564	-13.4782	-13.4740	-12.7404	-11.9627
-11.9622	-11.9132	-11.8177	-11.8170	-11.7229	-11.7223	-11.5405	-11.5375
-11.2539	-10.7048	-10.6977	-10.6492	-10.3374	-10.3287	-9.8152	-9.8147
-9.7069	-9.7066	-9.4529	-9.4525	-9.2830	-9.2745	-9.2097	-8.9766
-8.8268	-8.8180	-8.6032	-8.5534	-8.5471	-8.3803	-8.1799	-8.1793
-8.1555	-8.1538	-7.9291	-7.9217	-7.8592	-7.8586	-7.6903	-7.6205
-7.6173	-7.6031	-7.6021	-7.5003	-7.4996	-7.4995	-7.0970	-7.0969
-7.0384	-7.0375	-6.9791	-6.8050	-6.6138	-6.6099	-6.5461	-6.5424
-6.1430	-6.1421	-6.1412	-6.1278	-6.0462	-5.8721	-5.8708	-5.8356
-5.7568	-5.7559	-5.6065	-5.4988	-5.4098	-5.2395	-5.2357	-5.0366
-5.0059	-4.9093	-4.8132	-4.5383	-4.1291	-4.1285	-4.0811	-4.0809
-4.0712	-4.0698	-4.0030	-4.0025	-3.1417	-3.1410	-2.4258	-2.4199
-0.1943	-0.1767	0.9800	0.9825	1.2341	1.2386	1.7657	2.0308
2.3013	2.3206	2.3209	2.3683	2.5419	2.5681	2.6686	2.6692
2.8125	2.8987	2.8993	2.9677	2.9712	3.0015	3.1012	3.2473
3.2624	3.3706						

k = 0.0000-0.5141 0.0000 ( 64828 PWs) bands (ev):

-21.2727	-21.2084	-21.1018	-21.0640	-20.4906	-20.4897	-20.4114	-20.4111
-19.4233	-19.4222	-19.1788	-19.1777	-19.0477	-19.0462	-18.9655	-18.7164
-18.7147	-18.6609	-18.3724	-18.0239	-18.0229	-17.9975	-17.9966	-17.8804
-17.3677	-17.3664	-16.7442	-16.7422	-16.5879	-16.5854	-15.0022	-14.9965
-14.0891	-14.0853	-13.9339	-13.9303	-13.5056	-13.5015	-12.6951	-11.9598
-11.9504	-11.9498	-11.8210	-11.8202	-11.7370	-11.7364	-11.5425	-11.5395
-11.2225	-10.6849	-10.6848	-10.6778	-10.3583	-10.3497	-9.7954	-9.7949
-9.7090	-9.7088	-9.4733	-9.4729	-9.2562	-9.2478	-9.1982	-8.9911
-8.8505	-8.8416	-8.5922	-8.5179	-8.5115	-8.3941	-8.1614	-8.1608
-8.1573	-8.1556	-7.9613	-7.9540	-7.8761	-7.8754	-7.6810	-7.6129
-7.6099	-7.6044	-7.6035	-7.5112	-7.4741	-7.4733	-7.0920	-7.0919
-7.0632	-7.0623	-6.9705	-6.8157	-6.6122	-6.6084	-6.5288	-6.5253
-6.1621	-6.1527	-6.1216	-6.1207	-6.0146	-5.8737	-5.8724	-5.8047
-5.7791	-5.7782	-5.5726	-5.4715	-5.4405	-5.2715	-5.2168	-5.0658
-5.0326	-4.9264	-4.7970	-4.5526	-4.1258	-4.1253	-4.0780	-4.0771
-4.0742	-4.0719	-4.0075	-4.0070	-3.1371	-3.1365	-2.4138	-2.4080
-0.2068	-0.1891	0.9938	0.9964	1.2200	1.2244	1.7788	2.0146
2.3144	2.3160	2.3164	2.4150	2.5518	2.5552	2.6809	2.6816
2.7958	2.8857	2.8864	2.9670	2.9696	3.0134	3.1144	3.1974
3.2461	3.3539						

k = 0.0000-0.5220 0.0000 ( 64840 PWs) bands (ev):

-21.2631	-21.2003	-21.1136	-21.0740	-20.4915	-20.4905	-20.4125	-20.4122
-19.4085	-19.4075	-19.1946	-19.1935	-19.0280	-19.0265	-18.9461	-18.7382
-18.7364	-18.6794	-18.3426	-18.0223	-18.0213	-17.9992	-17.9983	-17.9121
-17.3652	-17.3639	-16.7353	-16.7334	-16.5985	-16.5961	-14.9800	-14.9743
-14.1118	-14.1083	-13.9078	-13.9042	-13.5329	-13.5288	-12.6497	-12.0062
-11.9379	-11.9373	-11.8238	-11.8231	-11.7510	-11.7505	-11.5443	-11.5413
-11.1908	-10.7201	-10.6650	-10.6577	-10.3792	-10.3707	-9.7755	-9.7750
-9.7109	-9.7106	-9.4937	-9.4932	-9.2296	-9.2211	-9.1866	-9.0053
-8.8743	-8.8655	-8.5811	-8.4826	-8.4761	-8.4077	-8.1591	-8.1575
-8.1429	-8.1423	-7.9935	-7.9864	-7.8931	-7.8924	-7.6715	-7.6061
-7.6056	-7.6047	-7.6034	-7.5226	-7.4479	-7.4470	-7.0891	-7.0876
-7.0874	-7.0865	-6.9617	-6.8263	-6.6125	-6.6089	-6.5090	-6.5057
-6.1846	-6.1775	-6.1010	-6.1002	-5.9800	-5.8752	-5.8739	-5.8013
-5.8004	-5.7743	-5.5388	-5.4732	-5.4421	-5.3035	-5.1980	-5.0952
-5.0594	-4.9437	-4.7810	-4.5670	-4.1226	-4.1220	-4.0781	-4.0775
-4.0729	-4.0709	-4.0120	-4.0115	-3.1332	-3.1325	-2.4032	-2.3974
-0.2179	-0.2002	1.0077	1.0104	1.2059	1.2101	1.7920	1.9985
2.3119	2.3123	2.3277	2.4618	2.5361	2.5687	2.6934	2.6940
2.7792	2.8728	2.8734	2.9660	2.9681	3.0260	3.1275	3.1477
3.2300	3.3375						

k = 0.0000-0.5299 0.0000 ( 64858 PWs) bands (ev):

-21.2534	-21.1920	-21.1252	-21.0837	-20.4922	-20.4913	-20.4134	-20.4132
-19.3937	-19.3927	-19.2103	-19.2093	-19.0082	-19.0066	-18.9267	-18.7597
-18.7580	-18.6980	-18.3126	-18.0207	-18.0197	-18.0008	-17.9999	-17.9436
-17.3630	-17.3617	-16.7264	-16.7244	-16.6091	-16.6067	-14.9598	-14.9540
-14.1325	-14.1292	-13.8816	-13.8779	-13.5602	-13.5561	-12.6042	-12.0526
-11.9253	-11.9247	-11.8263	-11.8256	-11.7650	-11.7645	-11.5458	-11.5428
-11.1588	-10.7553	-10.6449	-10.6376	-10.4000	-10.3916	-9.7556	-9.7551
-9.7125	-9.7123	-9.5140	-9.5136	-9.2032	-9.1947	-9.1748	-9.0194
-8.8984	-8.8897	-8.5698	-8.4474	-8.4410	-8.4211	-8.1610	-8.1595
-8.1246	-8.1239	-8.0255	-8.0186	-7.9102	-7.9096	-7.6619	-7.6067
-7.6058	-7.6000	-7.5977	-7.5339	-7.4217	-7.4209	-7.1133	-7.1124
-7.0836	-7.0836	-6.9529	-6.8368	-6.6135	-6.6102	-6.4880	-6.4846
-6.2080	-6.2022	-6.0803	-6.0794	-5.9446	-5.8765	-5.8752	-5.8234
-5.8224	-5.7450	-5.5054	-5.5029	-5.4149	-5.3354	-5.1792	-5.1250
-5.0863	-4.9610	-4.7650	-4.5815	-4.1193	-4.1188	-4.0806	-4.0806
-4.0688	-4.0675	-4.0164	-4.0160	-3.1297	-3.1291	-2.3939	-2.3881
-0.2275	-0.2099	1.0217	1.0245	1.1917	1.1958	1.8054	1.9826
2.3084	2.3088	2.3412	2.5047	2.5246	2.5824	2.7059	2.7066
2.7629	2.8598	2.8605	2.9651	2.9669	3.0389	3.0972	3.1417
3.2142	3.3212						

k = 0.0000-0.5378 0.0000 ( 64866 PWs) bands (ev):

-21.2435	-21.1837	-21.1367	-21.0934	-20.4929	-20.4920	-20.4142	-20.4140
-19.3788	-19.3778	-19.2260	-19.2249	-18.9882	-18.9867	-18.9074	-18.7812
-18.7794	-18.7167	-18.2826	-18.0191	-18.0181	-18.0025	-18.0016	-17.9750
-17.3611	-17.3598	-16.7173	-16.7153	-16.6195	-16.6171	-14.9418	-14.9361
-14.1508	-14.1478	-13.8553	-13.8516	-13.5874	-13.5834	-12.5586	-12.0990
-11.9125	-11.9120	-11.8284	-11.8277	-11.7789	-11.7783	-11.5471	-11.5441
-11.1266	-10.7902	-10.6249	-10.6175	-10.4208	-10.4125	-9.7356	-9.7352
-9.7139	-9.7136	-9.5343	-9.5339	-9.1769	-9.1685	-9.1626	-9.0333
-8.9228	-8.9140	-8.5583	-8.4344	-8.4125	-8.4060	-8.1633	-8.1619
-8.1062	-8.1056	-8.0570	-8.0503	-7.9275	-7.9269	-7.6523	-7.6076
-7.6067	-7.5949	-7.5929	-7.5451	-7.3956	-7.3948	-7.1385	-7.1376
-7.0804	-7.0803	-6.9439	-6.8471	-6.6149	-6.6117	-6.4661	-6.4628
-6.2319	-6.2268	-6.0595	-6.0586	-5.9091	-5.8776	-5.8763	-5.8453
-5.8443	-5.7177	-5.5313	-5.4722	-5.3874	-5.3672	-5.1606	-5.1551
-5.1133	-4.9785	-4.7491	-4.5962	-4.1161	-4.1155	-4.0838	-4.0835
-4.0647	-4.0637	-4.0209	-4.0204	-3.1267	-3.1261	-2.3859	-2.3801

-0.2358	-0.2181	1.0357	1.0386	1.1775	1.1815	1.8190	1.9670
2.3054	2.3058	2.3549	2.5015	2.5597	2.5963	2.7185	2.7191
2.7467	2.8469	2.8475	2.9642	2.9658	3.0474	3.0523	3.1554
3.1987	3.3051						

k = 0.0000-0.5457 0.0000 ( 64846 PWs) bands (ev):

-21.2335	-21.1752	-21.1480	-21.1030	-20.4934	-20.4925	-20.4149	-20.4146
-19.3639	-19.3629	-19.2416	-19.2405	-18.9681	-18.9665	-18.8880	-18.8025
-18.8008	-18.7354	-18.2524	-18.0174	-18.0165	-18.0063	-18.0041	-18.0032
-17.3596	-17.3583	-16.7081	-16.7060	-16.6298	-16.6275	-14.9265	-14.9207
-14.1664	-14.1637	-13.8289	-13.8252	-13.6145	-13.6105	-12.5130	-12.1452
-11.8997	-11.8991	-11.8301	-11.8294	-11.7927	-11.7922	-11.5482	-11.5452
-11.0941	-10.8249	-10.6047	-10.5973	-10.4414	-10.4333	-9.7161	-9.7154
-9.7147	-9.7144	-9.5546	-9.5541	-9.1522	-9.1494	-9.1419	-9.0470
-8.9473	-8.9385	-8.5466	-8.4475	-8.3778	-8.3713	-8.1667	-8.1656
-8.0880	-8.0873	-8.0871	-8.0810	-7.9449	-7.9442	-7.6425	-7.6083
-7.6074	-7.5906	-7.5890	-7.5560	-7.3696	-7.3687	-7.1638	-7.1629
-7.0777	-7.0776	-6.9347	-6.8573	-6.6161	-6.6132	-6.4437	-6.4404
-6.2558	-6.2512	-6.0385	-6.0377	-5.8785	-5.8772	-5.8747	-5.8672
-5.8651	-5.6950	-5.5554	-5.4392	-5.3989	-5.3597	-5.1855	-5.1420
-5.1404	-4.9962	-4.7334	-4.6109	-4.1128	-4.1123	-4.0869	-4.0866
-4.0606	-4.0596	-4.0253	-4.0249	-3.1243	-3.1237	-2.3794	-2.3736
-0.2426	-0.2249	1.0498	1.0528	1.1633	1.1672	1.8327	1.9515
2.3029	2.3034	2.3688	2.4866	2.6068	2.6105	2.7308	2.7312
2.7318	2.8339	2.8346	2.9635	2.9650	2.9980	3.0656	3.1692
3.1836	3.2893						

k = 0.0000-0.5536 0.0000 ( 64840 PWs) bands (ev):

-21.2233	-21.1666	-21.1591	-21.1124	-20.4938	-20.4929	-20.4154	-20.4151
-19.3489	-19.3478	-19.2571	-19.2561	-18.9479	-18.9463	-18.8688	-18.8236
-18.8220	-18.7543	-18.2220	-18.0375	-18.0158	-18.0149	-18.0057	-18.0048
-17.3584	-17.3571	-16.6988	-16.6967	-16.6400	-16.6377	-14.9141	-14.9083
-14.1789	-14.1766	-13.8024	-13.7986	-13.6416	-13.6376	-12.4673	-12.1914
-11.8867	-11.8861	-11.8314	-11.8307	-11.8064	-11.8059	-11.5490	-11.5460
-11.0613	-10.8594	-10.5845	-10.5770	-10.4621	-10.4540	-9.7159	-9.7157
-9.6956	-9.6951	-9.5748	-9.5744	-9.1387	-9.1245	-9.1160	-9.0606
-8.9720	-8.9633	-8.5348	-8.4605	-8.3435	-8.3370	-8.1735	-8.1722
-8.1135	-8.1086	-8.0698	-8.0692	-7.9624	-7.9618	-7.6327	-7.6089
-7.6080	-7.5873	-7.5860	-7.5666	-7.3435	-7.3427	-7.1892	-7.1883
-7.0756	-7.0755	-6.9255	-6.8674	-6.6172	-6.6145	-6.4210	-6.4176
-6.2798	-6.2755	-6.0175	-6.0167	-5.8890	-5.8883	-5.8792	-5.8779
-5.8383	-5.6833	-5.5690	-5.4303	-5.4065	-5.3321	-5.2162	-5.1676
-5.1235	-5.0139	-4.7177	-4.6258	-4.1096	-4.1091	-4.0901	-4.0897
-4.0564	-4.0555	-4.0297	-4.0293	-3.1224	-3.1218	-2.3743	-2.3685
-0.2480	-0.2303	1.0639	1.0670	1.1490	1.1528	1.8465	1.9363
2.3010	2.3015	2.3828	2.4713	2.6247	2.6549	2.7151	2.7439
2.7445	2.8210	2.8216	2.9485	2.9629	2.9643	3.0792	3.1678
3.1841	3.2736						

k = 0.0000-0.5615 0.0000 ( 64846 PWs) bands (ev):

-21.2130	-21.1701	-21.1579	-21.1217	-20.4941	-20.4932	-20.4158	-20.4155
-19.3337	-19.3327	-19.2726	-19.2715	-18.9275	-18.9259	-18.8495	-18.8447
-18.8430	-18.7732	-18.1916	-18.0685	-18.0143	-18.0133	-18.0073	-18.0064
-17.3576	-17.3563	-16.6894	-16.6872	-16.6500	-16.6478	-14.9049	-14.8992
-14.1882	-14.1860	-13.7758	-13.7720	-13.6686	-13.6646	-12.4215	-12.2375
-11.8736	-11.8730	-11.8324	-11.8317	-11.8200	-11.8195	-11.5496	-11.5466
-11.0283	-10.8936	-10.5643	-10.5567	-10.4826	-10.4746	-9.7165	-9.7163
-9.6755	-9.6751	-9.5950	-9.5946	-9.1262	-9.0987	-9.0902	-9.0739
-8.9969	-8.9882	-8.5229	-8.4733	-8.3097	-8.3032	-8.1885	-8.1851

-8.1317	-8.1292	-8.0517	-8.0510	-7.9801	-7.9794	-7.6231	-7.6093
-7.6084	-7.5851	-7.5840	-7.5764	-7.3176	-7.3167	-7.2147	-7.2138
-7.0740	-7.0740	-6.9162	-6.8774	-6.6181	-6.6155	-6.3980	-6.3945
-6.3037	-6.2997	-5.9963	-5.9955	-5.9107	-5.9099	-5.8797	-5.8784
-5.8041	-5.6895	-5.5648	-5.4612	-5.3741	-5.3046	-5.2472	-5.1948
-5.1052	-5.0316	-4.7021	-4.6408	-4.1064	-4.1059	-4.0933	-4.0928
-4.0523	-4.0513	-4.0340	-4.0336	-3.1211	-3.1205	-2.3706	-2.3648
-0.2518	-0.2341	1.0780	1.0812	1.1348	1.1385	1.8604	1.9215
2.2996	2.3001	2.3971	2.4562	2.6392	2.6989	2.7038	2.7566
2.7572	2.8080	2.8087	2.8993	2.9624	2.9638	3.0929	3.1533
3.1983	3.2582						

k = 0.0000-0.5694 0.0000 ( 64862 PWs) bands (ev):

-21.2027	-21.1809	-21.1490	-21.1309	-20.4943	-20.4934	-20.4160	-20.4157
-19.3186	-19.3175	-19.2880	-19.2869	-18.9070	-18.9054	-18.8656	-18.8639
-18.8304	-18.7922	-18.1610	-18.0995	-18.0128	-18.0118	-18.0088	-18.0080
-17.3571	-17.3558	-16.6799	-16.6777	-16.6598	-16.6576	-14.8993	-14.8936
-14.1938	-14.1919	-13.7492	-13.7453	-13.6954	-13.6915	-12.3757	-12.2836
-11.8604	-11.8598	-11.8337	-11.8334	-11.8326	-11.8320	-11.5499	-11.5470
-10.9950	-10.9277	-10.5440	-10.5363	-10.5031	-10.4952	-9.7169	-9.7166
-9.6555	-9.6550	-9.6152	-9.6148	-9.1137	-9.0869	-9.0732	-9.0646
-9.0219	-9.0132	-8.5107	-8.4859	-8.2769	-8.2705	-8.2126	-8.2075
-8.1403	-8.1393	-8.0336	-8.0330	-7.9978	-7.9972	-7.6142	-7.6095
-7.6086	-7.5877	-7.5830	-7.5814	-7.2918	-7.2909	-7.2403	-7.2394
-7.0731	-7.0731	-6.9067	-6.8873	-6.6186	-6.6161	-6.3747	-6.3712
-6.3274	-6.3236	-5.9751	-5.9743	-5.9323	-5.9314	-5.8800	-5.8787
-5.7708	-5.7107	-5.5460	-5.4913	-5.3419	-5.2785	-5.2771	-5.2222
-5.0873	-5.0492	-4.6867	-4.6560	-4.1033	-4.1028	-4.0963	-4.0959
-4.0484	-4.0472	-4.0380	-4.0377	-3.1203	-3.1197	-2.3684	-2.3626
-0.2541	-0.2364	1.0922	1.0955	1.1206	1.1242	1.8738	1.9075
2.2988	2.2993	2.4116	2.4411	2.6539	2.6842	2.7514	2.7694
2.7700	2.7951	2.7958	2.8505	2.9622	2.9635	3.1061	3.1395
3.2128	3.2430						

k = 0.0000-0.5774 0.0000 ( 64894 PWs) bands (ev):

-21.1940	-21.1898	-21.1407	-21.1394	-20.4944	-20.4934	-20.4161	-20.4158
-19.3037	-19.3031	-19.3029	-19.3015	-18.8869	-18.8862	-18.8847	-18.8844
-18.8119	-18.8106	-18.1309	-18.1297	-18.0120	-18.0108	-18.0096	-18.0089
-17.3569	-17.3556	-16.6721	-16.6702	-16.6674	-16.6657	-14.8974	-14.8917
-14.1957	-14.1938	-13.7243	-13.7206	-13.7202	-13.7165	-12.3326	-12.3268
-11.8481	-11.8471	-11.8460	-11.8458	-11.8331	-11.8324	-11.5501	-11.5471
-10.9619	-10.9609	-10.5246	-10.5227	-10.5171	-10.5142	-9.7170	-9.7168
-9.6359	-9.6351	-9.6349	-9.6346	-9.1036	-9.0972	-9.0509	-9.0451
-9.0411	-9.0355	-8.4992	-8.4977	-8.2515	-8.2463	-8.2344	-8.2302
-8.1426	-8.1419	-8.0163	-8.0159	-8.0151	-8.0141	-7.6097	-7.6093
-7.6087	-7.5922	-7.5826	-7.5814	-7.2664	-7.2661	-7.2653	-7.2645
-7.0728	-7.0728	-6.8980	-6.8962	-6.6187	-6.6163	-6.3531	-6.3516
-6.3473	-6.3454	-5.9540	-5.9535	-5.9534	-5.9523	-5.8801	-5.8788
-5.7403	-5.7379	-5.5225	-5.5178	-5.3107	-5.3095	-5.2502	-5.2490
-5.0739	-5.0626	-4.6724	-4.6702	-4.1011	-4.1006	-4.0985	-4.0980
-4.0461	-4.0444	-4.0408	-4.0402	-3.1200	-3.1194	-2.3676	-2.3619
-0.2549	-0.2372	1.1061	1.1066	1.1090	1.1106	1.8824	1.8987
2.2985	2.2990	2.4252	2.4273	2.6669	2.6709	2.7815	2.7820
2.7825	2.7843	2.7929	2.8088	2.9621	2.9634	3.1145	3.1309
3.2258	3.2298						

k = 0.0079-0.5774 0.0000 ( 64850 PWs) bands (ev):

-21.1939	-21.1897	-21.1407	-21.1393	-20.5089	-20.4788	-20.4342	-20.3975
-19.3162	-19.3153	-19.2903	-19.2893	-18.9045	-18.9026	-18.8684	-18.8665

-18.8119	-18.8105	-18.1309	-18.1296	-18.0253	-18.0238	-17.9971	-17.9955
-17.3624	-17.3502	-16.7042	-16.7011	-16.6365	-16.6333	-14.9102	-14.8789
-14.2071	-14.1826	-13.7546	-13.7508	-13.6899	-13.6860	-12.3325	-12.3267
-11.8623	-11.8612	-11.8390	-11.8320	-11.8309	-11.8266	-11.5870	-11.5100
-10.9619	-10.9609	-10.5618	-10.5575	-10.4821	-10.4777	-9.7383	-9.6952
-9.6658	-9.6652	-9.6051	-9.6046	-9.1035	-9.0971	-9.0691	-9.0600
-9.0263	-9.0171	-8.4991	-8.4976	-8.2544	-8.2445	-8.2345	-8.2300
-8.1600	-8.1231	-8.0322	-8.0314	-7.9993	-7.9985	-7.6299	-7.6208
-7.6093	-7.5918	-7.5883	-7.5443	-7.2684	-7.2681	-7.2630	-7.2625
-7.1089	-7.0367	-6.8982	-6.8963	-6.6477	-6.5880	-6.3726	-6.3651
-6.3319	-6.3268	-5.9719	-5.9711	-5.9354	-5.9346	-5.9043	-5.8547
-5.7404	-5.7380	-5.5224	-5.5178	-5.3109	-5.3096	-5.2501	-5.2489
-5.0741	-5.0628	-4.6726	-4.6703	-4.1235	-4.1210	-4.0786	-4.0769
-4.0723	-4.0692	-4.0164	-4.0126	-3.1289	-3.1106	-2.3876	-2.3417
-0.2661	-0.2263	1.0748	1.0765	1.1400	1.1419	1.8825	1.8988
2.2964	2.3011	2.4253	2.4274	2.6670	2.6710	2.7608	2.7620
2.7929	2.8036	2.8048	2.8088	2.9376	2.9881	3.1147	3.1310
3.2259	3.2299						

k = 0.0159-0.5774 0.0000 ( 64838 PWs) bands (ev):

-21.1937	-21.1895	-21.1405	-21.1391	-20.5238	-20.4636	-20.4524	-20.3789
-19.3291	-19.3281	-19.2772	-19.2762	-18.9223	-18.9204	-18.8501	-18.8483
-18.8117	-18.8103	-18.1307	-18.1294	-18.0396	-18.0381	-17.9833	-17.9818
-17.3685	-17.3442	-16.7378	-16.7349	-16.6027	-16.5994	-14.9252	-14.8634
-14.2194	-14.1705	-13.7867	-13.7829	-13.6574	-13.6534	-12.3324	-12.3266
-11.8768	-11.8757	-11.8452	-11.8207	-11.8162	-11.8152	-11.6251	-11.4712
-10.9618	-10.9608	-10.6016	-10.5973	-10.4427	-10.4383	-9.7594	-9.6963
-9.6957	-9.6731	-9.5750	-9.5745	-9.1033	-9.0969	-9.0900	-9.0810
-9.0052	-8.9959	-8.4988	-8.4973	-8.2605	-8.2418	-8.2347	-8.2293
-8.1759	-8.1029	-8.0485	-8.0477	-7.9828	-7.9820	-7.6586	-7.6504
-7.6104	-7.5928	-7.5673	-7.5064	-7.2707	-7.2704	-7.2602	-7.2598
-7.1450	-7.0007	-6.8989	-6.8970	-6.6782	-6.5597	-6.3928	-6.3827
-6.3114	-6.3069	-5.9901	-5.9892	-5.9292	-5.9170	-5.9162	-5.8300
-5.7408	-5.7384	-5.5222	-5.5176	-5.3113	-5.3100	-5.2499	-5.2487
-5.0748	-5.0636	-4.6731	-4.6709	-4.1473	-4.1443	-4.1005	-4.0976
-4.0566	-4.0550	-3.9882	-3.9841	-3.1382	-3.1016	-2.4100	-2.3188
-0.2833	-0.2099	1.0428	1.0445	1.1731	1.1752	1.8829	1.8991
2.2940	2.3033	2.4257	2.4277	2.6673	2.6714	2.7400	2.7412
2.7928	2.8087	2.8256	2.8268	2.9127	3.0135	3.1150	3.1314
3.2262	3.2302						

k = 0.0238-0.5774 0.0000 ( 64844 PWs) bands (ev):

-21.1933	-21.1891	-21.1402	-21.1388	-20.5386	-20.4705	-20.4482	-20.3601
-19.3419	-19.3409	-19.2641	-19.2631	-18.9400	-18.9381	-18.8317	-18.8299
-18.8115	-18.8101	-18.1303	-18.1290	-18.0542	-18.0527	-17.9697	-17.9682
-17.3747	-17.3383	-16.7715	-16.7685	-16.5688	-16.5654	-14.9403	-14.8478
-14.2318	-14.1586	-13.8185	-13.8149	-13.6247	-13.6207	-12.3321	-12.3263
-11.8909	-11.8899	-11.8515	-11.8148	-11.8002	-11.7991	-11.6630	-11.4323
-10.9617	-10.9607	-10.6417	-10.6373	-10.4034	-10.3991	-9.7801	-9.7268
-9.7263	-9.6508	-9.5450	-9.5445	-9.1114	-9.1035	-9.1014	-9.0961
-8.9840	-8.9747	-8.4984	-8.4969	-8.2690	-8.2393	-8.2349	-8.2284
-8.1892	-8.0821	-8.0648	-8.0640	-7.9663	-7.9654	-7.6966	-7.6708
-7.6121	-7.5944	-7.5462	-7.4685	-7.2730	-7.2727	-7.2572	-7.2568
-7.1812	-6.9647	-6.9001	-6.8982	-6.7091	-6.5335	-6.4128	-6.3981
-6.2908	-6.2866	-6.0081	-6.0072	-5.9542	-5.8985	-5.8977	-5.8054
-5.7414	-5.7389	-5.5219	-5.5172	-5.3121	-5.3108	-5.2495	-5.2483
-5.0761	-5.0648	-4.6740	-4.6718	-4.1719	-4.1684	-4.1278	-4.1251
-4.0355	-4.0341	-3.9599	-3.9556	-3.1475	-3.0927	-2.4323	-2.2956
-0.3016	-0.1932	1.0113	1.0129	1.2067	1.2088	1.8834	1.8996
2.2916	2.3054	2.4262	2.4282	2.6678	2.6719	2.7197	2.7209

2.7926	2.8086	2.8480	2.8491	2.8880	3.0391	3.1155	3.1320
3.2267	3.2307						

k = 0.0317-0.5774 0.0000 ( 64824 PWs)      bands (ev):

-21.1928	-21.1886	-21.1397	-21.1384	-20.5533	-20.4884	-20.4328	-20.3412
-19.3546	-19.3536	-19.2509	-19.2499	-18.9575	-18.9557	-18.8132	-18.8114
-18.8111	-18.8097	-18.1298	-18.1286	-18.0689	-18.0674	-17.9563	-17.9548
-17.3810	-17.3325	-16.8050	-16.8022	-16.5348	-16.5314	-14.9552	-14.8320
-14.2443	-14.1469	-13.8503	-13.8466	-13.5918	-13.5878	-12.3318	-12.3260
-11.9047	-11.9036	-11.8579	-11.8089	-11.7837	-11.7827	-11.7007	-11.3932
-10.9616	-10.9606	-10.6819	-10.6775	-10.3643	-10.3600	-9.8005	-9.7575
-9.7569	-9.6281	-9.5152	-9.5147	-9.1323	-9.1233	-9.1021	-9.0956
-8.9627	-8.9534	-8.4978	-8.4963	-8.2803	-8.2371	-8.2350	-8.2273
-8.1995	-8.0811	-8.0802	-8.0607	-7.9497	-7.9488	-7.7346	-7.6911
-7.6143	-7.5967	-7.5249	-7.4306	-7.2752	-7.2748	-7.2541	-7.2537
-7.2173	-6.9287	-6.9018	-6.8999	-6.7403	-6.5118	-6.4328	-6.4089
-6.2701	-6.2661	-6.0259	-6.0251	-5.9792	-5.8799	-5.8791	-5.7809
-5.7422	-5.7397	-5.5214	-5.5168	-5.3131	-5.3119	-5.2490	-5.2478
-5.0778	-5.0665	-4.6753	-4.6730	-4.1975	-4.1935	-4.1545	-4.1520
-4.0148	-4.0135	-3.9317	-3.9272	-3.1569	-3.0839	-2.4545	-2.2722
-0.3203	-0.1766	0.9802	0.9817	1.2406	1.2428	1.8841	1.9003
2.2890	2.3075	2.4269	2.4289	2.6686	2.6726	2.6998	2.7010
2.7924	2.8083	2.8624	2.8710	2.8728	3.0647	3.1163	3.1331
3.2275	3.2314						

k = 0.0397-0.5774 0.0000 ( 64814 PWs)      bands (ev):

-21.1921	-21.1880	-21.1392	-21.1378	-20.5679	-20.5061	-20.4173	-20.3222
-19.3672	-19.3663	-19.2377	-19.2367	-18.9749	-18.9731	-18.8106	-18.8092
-18.7946	-18.7927	-18.1292	-18.1279	-18.0838	-18.0823	-17.9431	-17.9416
-17.3873	-17.3268	-16.8385	-16.8357	-16.5008	-16.4973	-14.9700	-14.8161
-14.2569	-14.1353	-13.8818	-13.8782	-13.5588	-13.5547	-12.3314	-12.3256
-11.9181	-11.9170	-11.8644	-11.8032	-11.7669	-11.7658	-11.7381	-11.3540
-10.9614	-10.9604	-10.7222	-10.7179	-10.3254	-10.3211	-9.8205	-9.7882
-9.7877	-9.6052	-9.4854	-9.4849	-9.1533	-9.1443	-9.1013	-9.0948
-8.9414	-8.9321	-8.4970	-8.4955	-8.2941	-8.2354	-8.2346	-8.2260
-8.2069	-8.0972	-8.0964	-8.0389	-7.9331	-7.9322	-7.7726	-7.7112
-7.6173	-7.5996	-7.5035	-7.3927	-7.2772	-7.2768	-7.2539	-7.2507
-7.2501	-6.9040	-6.9022	-6.8927	-6.7716	-6.4999	-6.4526	-6.4101
-6.2493	-6.2453	-6.0437	-6.0429	-6.0043	-5.8612	-5.8604	-5.7564
-5.7432	-5.7407	-5.5208	-5.5162	-5.3145	-5.3133	-5.2484	-5.2471
-5.0800	-5.0687	-4.6769	-4.6747	-4.2242	-4.2196	-4.1807	-4.1783
-3.9946	-3.9933	-3.9037	-3.8990	-3.1664	-3.0752	-2.4765	-2.2486
-0.3393	-0.1602	0.9495	0.9510	1.2749	1.2772	1.8850	1.9012
2.2865	2.3094	2.4278	2.4298	2.6695	2.6735	2.6804	2.6816
2.7921	2.8081	2.8386	2.8941	2.8954	3.0899	3.1174	3.1347
3.2284	3.2323						

k = 0.0476-0.5774 0.0000 ( 64808 PWs)      bands (ev):

-21.1913	-21.1872	-21.1385	-21.1371	-20.5824	-20.5237	-20.4017	-20.3030
-19.3798	-19.3789	-19.2244	-19.2234	-18.9922	-18.9904	-18.8100	-18.8087
-18.7758	-18.7739	-18.1284	-18.1272	-18.0989	-18.0974	-17.9302	-17.9286
-17.3937	-17.3212	-16.8719	-16.8692	-16.4667	-16.4631	-14.9847	-14.8001
-14.2695	-14.1239	-13.9132	-13.9097	-13.5257	-13.5215	-12.3308	-12.3250
-11.9310	-11.9300	-11.8708	-11.7976	-11.7751	-11.7498	-11.7487	-11.3147
-10.9611	-10.9601	-10.7627	-10.7583	-10.2867	-10.2824	-9.8401	-9.8191
-9.8185	-9.5821	-9.4559	-9.4554	-9.1743	-9.1653	-9.1003	-9.0938
-8.9201	-8.9107	-8.4961	-8.4946	-8.3100	-8.2351	-8.2329	-8.2246
-8.2120	-8.1134	-8.1125	-8.0167	-7.9164	-7.9156	-7.8107	-7.7312
-7.6208	-7.6032	-7.4819	-7.3548	-7.2898	-7.2791	-7.2787	-7.2473

-7.2469	-6.9066	-6.9048	-6.8568	-6.8031	-6.5012	-6.4723	-6.3979
-6.2284	-6.2243	-6.0614	-6.0606	-6.0295	-5.8425	-5.8416	-5.7445
-5.7420	-5.7321	-5.5200	-5.5155	-5.3162	-5.3149	-5.2476	-5.2463
-5.0826	-5.0714	-4.6789	-4.6767	-4.2518	-4.2469	-4.2062	-4.2039
-3.9747	-3.9735	-3.8758	-3.8709	-3.1759	-3.0667	-2.4983	-2.2249
-0.3588	-0.1441	0.9193	0.9207	1.3095	1.3119	1.8861	1.9024
2.2838	2.3113	2.4289	2.4309	2.6614	2.6626	2.6706	2.6746
2.7918	2.8077	2.8145	2.9176	2.9189	3.1122	3.1202	3.1383
3.2295	3.2335						

k = 0.0556-0.5774 0.0000 ( 64828 PWs)      bands (ev):

-21.1904	-21.1862	-21.1377	-21.1363	-20.5968	-20.5412	-20.3860	-20.2837
-19.3923	-19.3914	-19.2110	-19.2100	-19.0093	-19.0075	-18.8094	-18.8080
-18.7568	-18.7549	-18.1275	-18.1262	-18.1141	-18.1126	-17.9174	-17.9159
-17.4001	-17.3156	-16.9052	-16.9025	-16.4327	-16.4290	-14.9993	-14.7839
-14.2821	-14.1127	-13.9443	-13.9409	-13.4924	-13.4882	-12.3302	-12.3244
-11.9436	-11.9425	-11.8774	-11.8119	-11.7920	-11.7322	-11.7312	-11.2753
-10.9608	-10.9598	-10.8032	-10.7988	-10.2482	-10.2439	-9.8594	-9.8499
-9.8494	-9.5586	-9.4265	-9.4260	-9.1952	-9.1863	-9.0992	-9.0926
-8.8988	-8.8894	-8.4950	-8.4935	-8.3272	-8.2348	-8.2310	-8.2231
-8.2152	-8.1295	-8.1286	-7.9942	-7.8997	-7.8989	-7.8487	-7.7510
-7.6251	-7.6074	-7.4602	-7.3259	-7.3170	-7.2809	-7.2805	-7.2436
-7.2433	-6.9097	-6.9079	-6.8347	-6.8209	-6.5118	-6.4919	-6.3764
-6.2073	-6.2032	-6.0790	-6.0782	-6.0548	-5.8236	-5.8228	-5.7460
-5.7434	-5.7078	-5.5191	-5.5146	-5.3182	-5.3169	-5.2466	-5.2454
-5.0858	-5.0746	-4.6813	-4.6790	-4.2803	-4.2751	-4.2313	-4.2289
-3.9552	-3.9541	-3.8481	-3.8431	-3.1855	-3.0582	-2.5199	-2.2010
-0.3785	-0.1283	0.8896	0.8909	1.3445	1.3470	1.8875	1.9037
2.2811	2.3131	2.4303	2.4323	2.6429	2.6441	2.6720	2.6759
2.7904	2.7915	2.8073	2.9415	2.9428	3.1186	3.1301	3.1512
3.2309	3.2348						

k = 0.0635-0.5774 0.0000 ( 64824 PWs)      bands (ev):

-21.1893	-21.1851	-21.1367	-21.1354	-20.6111	-20.5585	-20.3701	-20.2643
-19.4048	-19.4038	-19.1976	-19.1966	-19.0263	-19.0245	-18.8086	-18.8072
-18.7378	-18.7358	-18.1295	-18.1280	-18.1265	-18.1252	-17.9049	-17.9033
-17.4065	-17.3101	-16.9384	-16.9358	-16.3986	-16.3948	-15.0138	-14.7676
-14.2948	-14.1018	-13.9753	-13.9719	-13.4589	-13.4547	-12.3295	-12.3237
-11.9558	-11.9547	-11.8840	-11.8483	-11.7866	-11.7144	-11.7133	-11.2357
-10.9605	-10.9595	-10.8439	-10.8395	-10.2100	-10.2057	-9.8811	-9.8804
-9.8780	-9.5349	-9.3973	-9.3968	-9.2161	-9.2072	-9.0978	-9.0913
-8.8774	-8.8680	-8.4937	-8.4922	-8.3453	-8.2343	-8.2292	-8.2216
-8.2171	-8.1455	-8.1447	-7.9715	-7.8868	-7.8830	-7.8821	-7.7707
-7.6299	-7.6123	-7.4384	-7.3621	-7.2826	-7.2822	-7.2792	-7.2398
-7.2395	-6.9133	-6.9115	-6.8665	-6.7851	-6.5266	-6.5113	-6.3507
-6.1862	-6.1819	-6.0965	-6.0956	-6.0801	-5.8047	-5.8039	-5.7478
-5.7451	-5.6837	-5.5181	-5.5136	-5.3205	-5.3192	-5.2455	-5.2443
-5.0894	-5.0782	-4.6839	-4.6817	-4.3094	-4.3041	-4.2560	-4.2536
-3.9362	-3.9351	-3.8206	-3.8155	-3.1951	-3.0499	-2.5414	-2.1769
-0.3986	-0.1127	0.8603	0.8616	1.3798	1.3824	1.8890	1.9052
2.2784	2.3149	2.4318	2.4338	2.6248	2.6261	2.6735	2.6774
2.7668	2.7909	2.8069	2.9658	2.9671	3.1205	3.1344	3.1748
3.2324	3.2364						

k = 0.0714-0.5774 0.0000 ( 64814 PWs)      bands (ev):

-21.1880	-21.1838	-21.1357	-21.1343	-20.6252	-20.5757	-20.3542	-20.2447
-19.4172	-19.4162	-19.1841	-19.1831	-19.0432	-19.0414	-18.8077	-18.8063
-18.7186	-18.7166	-18.1451	-18.1436	-18.1253	-18.1240	-17.8926	-17.8910
-17.4130	-17.3047	-16.9715	-16.9690	-16.3644	-16.3605	-15.0282	-14.7512



-14.3074	-14.0911	-14.0061	-14.0027	-13.4254	-13.4211	-12.3287	-12.3229
-11.9675	-11.9665	-11.8906	-11.8844	-11.7814	-11.6961	-11.6950	-11.1960
-10.9601	-10.9591	-10.8846	-10.8803	-10.1720	-10.1677	-9.9120	-9.9114
-9.8965	-9.5110	-9.3683	-9.3678	-9.2370	-9.2281	-9.0963	-9.0897
-8.8560	-8.8465	-8.4923	-8.4907	-8.3640	-8.2336	-8.2274	-8.2203
-8.2176	-8.1615	-8.1607	-7.9485	-7.9248	-7.8662	-7.8653	-7.7902
-7.6354	-7.6178	-7.4164	-7.3983	-7.2842	-7.2838	-7.2414	-7.2358
-7.2355	-6.9174	-6.9156	-6.8984	-6.7493	-6.5432	-6.5306	-6.3231
-6.1649	-6.1605	-6.1139	-6.1130	-6.1054	-5.7857	-5.7849	-5.7498
-5.7470	-5.6596	-5.5169	-5.5125	-5.3231	-5.3219	-5.2443	-5.2431
-5.0935	-5.0823	-4.6870	-4.6848	-4.3391	-4.3337	-4.2804	-4.2781
-3.9175	-3.9164	-3.7934	-3.7882	-3.2048	-3.0417	-2.5627	-2.1527
-0.4190	-0.0974	0.8316	0.8328	1.4155	1.4182	1.8907	1.9070
2.2756	2.3165	2.4335	2.4355	2.6072	2.6085	2.6753	2.6791
2.7432	2.7904	2.8064	2.9905	2.9918	3.1223	3.1369	3.2008
3.2341	3.2381						

k = 0.0794-0.5774 0.0000 ( 64784 PWs) bands (ev):

-21.1866	-21.1824	-21.1345	-21.1331	-20.6393	-20.5927	-20.3382	-20.2249
-19.4295	-19.4285	-19.1706	-19.1696	-19.0599	-19.0581	-18.8067	-18.8053
-18.6992	-18.6973	-18.1608	-18.1593	-18.1240	-18.1227	-17.8805	-17.8790
-17.4196	-17.2994	-17.0046	-17.0021	-16.3303	-16.3263	-15.0424	-14.7347
-14.3201	-14.0807	-14.0366	-14.0333	-13.3917	-13.3873	-12.3278	-12.3220
-11.9789	-11.9778	-11.9200	-11.8972	-11.7762	-11.6776	-11.6765	-11.1563
-10.9596	-10.9586	-10.9254	-10.9211	-10.1342	-10.1300	-9.9430	-9.9424
-9.9145	-9.4868	-9.3394	-9.3390	-9.2579	-9.2490	-9.0946	-9.0880
-8.8346	-8.8251	-8.4907	-8.4891	-8.3830	-8.2327	-8.2258	-8.2195
-8.2168	-8.1774	-8.1766	-7.9628	-7.9252	-7.8494	-7.8485	-7.8096
-7.6415	-7.6239	-7.4345	-7.3943	-7.2857	-7.2853	-7.2316	-7.2313
-7.2037	-6.9305	-6.9219	-6.9201	-6.7136	-6.5607	-6.5498	-6.2947
-6.1436	-6.1390	-6.1311	-6.1308	-6.1302	-5.7669	-5.7660	-5.7518
-5.7488	-5.6356	-5.5155	-5.5112	-5.3260	-5.3248	-5.2429	-5.2417
-5.0980	-5.0869	-4.6904	-4.6882	-4.3691	-4.3637	-4.3047	-4.3024
-3.8991	-3.8980	-3.7665	-3.7612	-3.2146	-3.0336	-2.5838	-2.1283
-0.4397	-0.0825	0.8033	0.8046	1.4515	1.4542	1.8927	1.9089
2.2729	2.3181	2.4355	2.4375	2.5901	2.5913	2.6772	2.6808
2.7201	2.7898	2.8058	3.0155	3.0168	3.1243	3.1391	3.2273
3.2361	3.2400						

k = 0.0873-0.5774 0.0000 ( 64796 PWs) bands (ev):

-21.1851	-21.1809	-21.1332	-21.1318	-20.6533	-20.6096	-20.3221	-20.2050
-19.4417	-19.4407	-19.1570	-19.1561	-19.0764	-19.0747	-18.8056	-18.8042
-18.6797	-18.6778	-18.1767	-18.1751	-18.1225	-18.1212	-17.8687	-17.8671
-17.4261	-17.2942	-17.0376	-17.0352	-16.2962	-16.2921	-15.0565	-14.7180
-14.3328	-14.0716	-14.0666	-14.0632	-13.3578	-13.3535	-12.3267	-12.3209
-11.9898	-11.9887	-11.9552	-11.9039	-11.7712	-11.6587	-11.6575	-11.1165
-10.9664	-10.9620	-10.9592	-10.9582	-10.0968	-10.0925	-9.9741	-9.9735
-9.9321	-9.4624	-9.3108	-9.3104	-9.2786	-9.2698	-9.0928	-9.0861
-8.8132	-8.8036	-8.4889	-8.4873	-8.4021	-8.2316	-8.2243	-8.2187
-8.2152	-8.1932	-8.1924	-8.0008	-7.9018	-7.8325	-7.8317	-7.8288
-7.6483	-7.6307	-7.4706	-7.3720	-7.2871	-7.2866	-7.2272	-7.2269
-7.1660	-6.9626	-6.9270	-6.9251	-6.6779	-6.5786	-6.5689	-6.2659
-6.1563	-6.1482	-6.1473	-6.1222	-6.1173	-5.7556	-5.7533	-5.7463
-5.7450	-5.6117	-5.5141	-5.5098	-5.3293	-5.3281	-5.2414	-5.2402
-5.1031	-5.0919	-4.6941	-4.6919	-4.3996	-4.3942	-4.3289	-4.3267
-3.8812	-3.8801	-3.7398	-3.7345	-3.2243	-3.0257	-2.6047	-2.1037
-0.4607	-0.0677	0.7756	0.7768	1.4877	1.4906	1.8948	1.9111
2.2701	2.3196	2.4376	2.4396	2.5735	2.5747	2.6791	2.6821
2.6980	2.7892	2.8051	3.0408	3.0421	3.1265	3.1415	3.2324
3.2393	3.2425						

k = 0.0952-0.5774 0.0000 ( 64810 PWs) bands (ev):

-21.1834	-21.1792	-21.1318	-21.1304	-20.6671	-20.6264	-20.3059	-20.1850
-19.4538	-19.4529	-19.1434	-19.1424	-19.0929	-19.0911	-18.8044	-18.8030
-18.6601	-18.6581	-18.1927	-18.1912	-18.1209	-18.1196	-17.8570	-17.8555
-17.4327	-17.2892	-17.0705	-17.0681	-16.2621	-16.2579	-15.0705	-14.7013
-14.3455	-14.0971	-14.0941	-14.0606	-13.3239	-13.3195	-12.3256	-12.3198
-12.0003	-11.9992	-11.9899	-11.9106	-11.7663	-11.6394	-11.6383	-11.0767
-11.0073	-11.0030	-10.9586	-10.9576	-10.0596	-10.0554	-10.0053	-10.0046
-9.9492	-9.4378	-9.2994	-9.2906	-9.2824	-9.2820	-9.0908	-9.0840
-8.7917	-8.7822	-8.4869	-8.4854	-8.4213	-8.2302	-8.2229	-8.2175
-8.2133	-8.2090	-8.2082	-8.0388	-7.8781	-7.8479	-7.8156	-7.8148
-7.6557	-7.6381	-7.5068	-7.3496	-7.2884	-7.2879	-7.2227	-7.2224
-7.1284	-6.9948	-6.9324	-6.9306	-6.6423	-6.5966	-6.5878	-6.2369
-6.1818	-6.1653	-6.1643	-6.1007	-6.0956	-5.7579	-5.7549	-5.7276
-5.7267	-5.5879	-5.5124	-5.5083	-5.3329	-5.3317	-5.2397	-5.2385
-5.1085	-5.0974	-4.6982	-4.6960	-4.4302	-4.4249	-4.3532	-4.3510
-3.8636	-3.8625	-3.7135	-3.7081	-3.2341	-3.0179	-2.6255	-2.0789
-0.4820	-0.0533	0.7484	0.7496	1.5243	1.5273	1.8972	1.9134
2.2672	2.3210	2.4400	2.4420	2.5574	2.5586	2.6710	2.6822
2.6877	2.7884	2.8044	3.0665	3.0678	3.1288	3.1439	3.2103
3.2409	3.2447						

k = 0.1032-0.5774 0.0000 ( 64796 PWs) bands (ev):

-21.1815	-21.1774	-21.1302	-21.1288	-20.6809	-20.6430	-20.2896	-20.1649
-19.4659	-19.4649	-19.1297	-19.1288	-19.1092	-19.1074	-18.8031	-18.8017
-18.6404	-18.6384	-18.2088	-18.2073	-18.1191	-18.1179	-17.8457	-17.8441
-17.4393	-17.2842	-17.1033	-17.1010	-16.2280	-16.2237	-15.0844	-14.6844
-14.3581	-14.1270	-14.1240	-14.0513	-13.2898	-13.2853	-12.3244	-12.3186
-12.0241	-12.0103	-12.0093	-11.9174	-11.7616	-11.6198	-11.6187	-11.0484
-11.0441	-11.0368	-10.9581	-10.9571	-10.0364	-10.0358	-10.0227	-10.0185
-9.9658	-9.4131	-9.3201	-9.3113	-9.2543	-9.2539	-9.0885	-9.0817
-8.7702	-8.7607	-8.4848	-8.4833	-8.4404	-8.2286	-8.2248	-8.2240
-8.2215	-8.2159	-8.2113	-8.0768	-7.8668	-7.8543	-7.7987	-7.7978
-7.6637	-7.6462	-7.5430	-7.3271	-7.2896	-7.2891	-7.2179	-7.2176
-7.0908	-7.0271	-6.9384	-6.9366	-6.6148	-6.6067	-6.6065	-6.2081
-6.2074	-6.1822	-6.1809	-6.0792	-6.0737	-5.7608	-5.7576	-5.7083
-5.7075	-5.5642	-5.5106	-5.5066	-5.3368	-5.3356	-5.2379	-5.2367
-5.1144	-5.1033	-4.7026	-4.7004	-4.4612	-4.4559	-4.3775	-4.3754
-3.8464	-3.8452	-3.6876	-3.6821	-3.2440	-3.0103	-2.6461	-2.0540
-0.5036	-0.0392	0.7218	0.7230	1.5612	1.5643	1.8998	1.9160
2.2644	2.3223	2.4425	2.4445	2.5418	2.5430	2.6494	2.6846
2.6892	2.7876	2.8037	3.0925	3.0938	3.1313	3.1465	3.1875
3.2434	3.2473						

k = 0.1111-0.5774 0.0000 ( 64852 PWs) bands (ev):

-21.1795	-21.1754	-21.1285	-21.1272	-20.6945	-20.6594	-20.2732	-20.1446
-19.4779	-19.4769	-19.1253	-19.1236	-19.1160	-19.1150	-18.8016	-18.8003
-18.6205	-18.6185	-18.2251	-18.2236	-18.1173	-18.1160	-17.8346	-17.8330
-17.4460	-17.2793	-17.1359	-17.1337	-16.1939	-16.1895	-15.0981	-14.6674
-14.3708	-14.1566	-14.1537	-14.0424	-13.2556	-13.2510	-12.3232	-12.3173
-12.0578	-12.0200	-12.0189	-11.9241	-11.7570	-11.5999	-11.5988	-11.0895
-11.0852	-10.9968	-10.9575	-10.9565	-10.0676	-10.0670	-9.9862	-9.9820
-9.9820	-9.3881	-9.3408	-9.3320	-9.2263	-9.2259	-9.0862	-9.0793
-8.7488	-8.7391	-8.4827	-8.4811	-8.4593	-8.2405	-8.2397	-8.2267
-8.2199	-8.2140	-8.2092	-8.1148	-7.8856	-7.8303	-7.7817	-7.7809
-7.6724	-7.6549	-7.5791	-7.3044	-7.2907	-7.2902	-7.2128	-7.2126
-7.0596	-7.0533	-6.9448	-6.9430	-6.6329	-6.6252	-6.5712	-6.2330
-6.1991	-6.1987	-6.1778	-6.0576	-6.0518	-5.7641	-5.7606	-5.6889

-5.6881	-5.5407	-5.5087	-5.5047	-5.3411	-5.3399	-5.2359	-5.2347
-5.1207	-5.1097	-4.7073	-4.7052	-4.4923	-4.4870	-4.4019	-4.3998
-3.8295	-3.8284	-3.6620	-3.6564	-3.2538	-3.0028	-2.6665	-2.0289
-0.5255	-0.0253	0.6957	0.6969	1.5984	1.6016	1.9025	1.9187
2.2615	2.3235	2.4453	2.4473	2.5266	2.5278	2.6271	2.6874
2.6918	2.7868	2.8028	3.1188	3.1201	3.1341	3.1491	3.1649
3.2461	3.2501						

k = 0.1190-0.5774 0.0000 ( 64810 PWs) bands (ev):

-21.1774	-21.1733	-21.1267	-21.1254	-20.7080	-20.6758	-20.2567	-20.1241
-19.4898	-19.4888	-19.1413	-19.1396	-19.1023	-19.1013	-18.8001	-18.7987
-18.6004	-18.5984	-18.2415	-18.2400	-18.1152	-18.1139	-17.8237	-17.8221
-17.4527	-17.2746	-17.1685	-17.1664	-16.1599	-16.1554	-15.1117	-14.6502
-14.3834	-14.1859	-14.1831	-14.0339	-13.2212	-13.2166	-12.3218	-12.3159
-12.0910	-12.0292	-12.0281	-11.9309	-11.7526	-11.5797	-11.5786	-11.1307
-11.1264	-10.9569	-10.9568	-10.9558	-10.0988	-10.0981	-9.9977	-9.9500
-9.9458	-9.3630	-9.3614	-9.3527	-9.1986	-9.1982	-9.0836	-9.0766
-8.7273	-8.7176	-8.4826	-8.4792	-8.4755	-8.2561	-8.2553	-8.2246
-8.2182	-8.2120	-8.2070	-8.1526	-7.9042	-7.8061	-7.7647	-7.7639
-7.6817	-7.6641	-7.6153	-7.2917	-7.2912	-7.2816	-7.2076	-7.2074
-7.0921	-7.0158	-6.9517	-6.9499	-6.6510	-6.6437	-6.5358	-6.2587
-6.2157	-6.2150	-6.1492	-6.0361	-6.0298	-5.7677	-5.7639	-5.6694
-5.6686	-5.5172	-5.5066	-5.5027	-5.3456	-5.3445	-5.2338	-5.2326
-5.1275	-5.1164	-4.7123	-4.7102	-4.5235	-4.5184	-4.4263	-4.4243
-3.8131	-3.8119	-3.6368	-3.6311	-3.2637	-2.9956	-2.6867	-2.0036
-0.5478	-0.0117	0.6702	0.6714	1.6358	1.6391	1.9055	1.9217
2.2586	2.3246	2.4482	2.4503	2.5120	2.5132	2.6047	2.6903
2.6947	2.7859	2.8019	3.1369	3.1412	3.1456	3.1473	3.1524
3.2491	3.2530						

k = 0.1270-0.5774 0.0000 ( 64820 PWs) bands (ev):

-21.1751	-21.1710	-21.1248	-21.1234	-20.7214	-20.6919	-20.2401	-20.1035
-19.5016	-19.5006	-19.1572	-19.1555	-19.0885	-19.0875	-18.7985	-18.7971
-18.5803	-18.5783	-18.2581	-18.2565	-18.1131	-18.1118	-17.8130	-17.8115
-17.4593	-17.2700	-17.2010	-17.1989	-16.1260	-16.1213	-15.1252	-14.6330
-14.3960	-14.2150	-14.2123	-14.0258	-13.1867	-13.1821	-12.3203	-12.3144
-12.1234	-12.0380	-12.0369	-11.9377	-11.7483	-11.5591	-11.5580	-11.1719
-11.1676	-10.9561	-10.9551	-10.9169	-10.1300	-10.1293	-10.0128	-9.9142
-9.9100	-9.3819	-9.3733	-9.3376	-9.1712	-9.1708	-9.0809	-9.0738
-8.7057	-8.6961	-8.4985	-8.4771	-8.4754	-8.2716	-8.2708	-8.2221
-8.2161	-8.2100	-8.2049	-8.1902	-7.9227	-7.7817	-7.7477	-7.7468
-7.6916	-7.6741	-7.6514	-7.2927	-7.2922	-7.2586	-7.2021	-7.2019
-7.1247	-6.9784	-6.9591	-6.9573	-6.6690	-6.6621	-6.5005	-6.2845
-6.2322	-6.2315	-6.1202	-6.0145	-6.0077	-5.7715	-5.7673	-5.6499
-5.6490	-5.5043	-5.5005	-5.4938	-5.3506	-5.3494	-5.2315	-5.2303
-5.1346	-5.1236	-4.7177	-4.7155	-4.5549	-4.5498	-4.4509	-4.4489
-3.7970	-3.7958	-3.6120	-3.6063	-3.2736	-2.9884	-2.7068	-1.9781
-0.5703	0.0016	0.6452	0.6466	1.6735	1.6770	1.9087	1.9249
2.2557	2.3257	2.4514	2.4534	2.4979	2.4991	2.5825	2.6936
2.6978	2.7849	2.8009	3.1196	3.1402	3.1554	3.1723	3.1737
3.2523	3.2562						

k = 0.1349-0.5774 0.0000 ( 64820 PWs) bands (ev):

-21.1727	-21.1685	-21.1227	-21.1214	-20.7347	-20.7080	-20.2234	-20.0828
-19.5133	-19.5124	-19.1729	-19.1712	-19.0746	-19.0736	-18.7968	-18.7954
-18.5600	-18.5579	-18.2747	-18.2732	-18.1108	-18.1095	-17.8027	-17.8011
-17.4661	-17.2655	-17.2335	-17.2314	-16.0921	-16.0873	-15.1386	-14.6156
-14.4085	-14.2438	-14.2411	-14.0184	-13.1521	-13.1475	-12.3187	-12.3129
-12.1553	-12.0463	-12.0453	-11.9445	-11.7442	-11.5382	-11.5371	-11.2132

-11.2089	-10.9554	-10.9544	-10.8769	-10.1612	-10.1605	-10.0275	-9.8787
-9.8746	-9.4025	-9.3938	-9.3122	-9.1440	-9.1437	-9.0780	-9.0708
-8.6842	-8.6745	-8.5172	-8.4743	-8.4728	-8.2871	-8.2863	-8.2291
-8.2193	-8.2137	-8.2072	-8.2021	-7.9410	-7.7573	-7.7306	-7.7298
-7.7021	-7.6874	-7.6846	-7.2935	-7.2930	-7.2356	-7.1965	-7.1962
-7.1573	-6.9669	-6.9651	-6.9411	-6.6870	-6.6803	-6.4652	-6.3102
-6.2487	-6.2479	-6.0914	-5.9931	-5.9857	-5.7756	-5.7709	-5.6302
-5.6294	-5.5019	-5.4982	-5.4705	-5.3558	-5.3547	-5.2291	-5.2279
-5.1421	-5.1311	-4.7233	-4.7212	-4.5864	-4.5814	-4.4756	-4.4736
-3.7813	-3.7801	-3.5876	-3.5818	-3.2835	-2.9815	-2.7266	-1.9525
-0.5931	0.0146	0.6209	0.6223	1.7115	1.7151	1.9120	1.9282
2.2529	2.3266	2.4548	2.4568	2.4843	2.4855	2.5605	2.6970
2.7012	2.7838	2.7999	3.0974	3.1435	3.1587	3.1996	3.2009
3.2557	3.2597						

k = 0.1429-0.5774 0.0000 ( 64840 PWs) bands (ev):

-21.1701	-21.1660	-21.1205	-21.1192	-20.7479	-20.7238	-20.2066	-20.0620
-19.5250	-19.5240	-19.1885	-19.1868	-19.0607	-19.0597	-18.7949	-18.7936
-18.5395	-18.5375	-18.2915	-18.2900	-18.1083	-18.1070	-17.7926	-17.7910
-17.4728	-17.2658	-17.2637	-17.2611	-16.0583	-16.0534	-15.1519	-14.5981
-14.4210	-14.2722	-14.2697	-14.0115	-13.1174	-13.1127	-12.3170	-12.3112
-12.1864	-12.0542	-12.0532	-11.9513	-11.7402	-11.5170	-11.5159	-11.2545
-11.2502	-10.9546	-10.9536	-10.8369	-10.1924	-10.1917	-10.0417	-9.8436
-9.8395	-9.4229	-9.4144	-9.2866	-9.1171	-9.1168	-9.0749	-9.0676
-8.6627	-8.6530	-8.5358	-8.4714	-8.4698	-8.3025	-8.3017	-8.2667
-8.2162	-8.2111	-8.2050	-8.1999	-7.9592	-7.7346	-7.7215	-7.7135
-7.7132	-7.7127	-7.6957	-7.2943	-7.2938	-7.2124	-7.1905	-7.1903
-7.1900	-6.9751	-6.9733	-6.9038	-6.7048	-6.6983	-6.4300	-6.3360
-6.2650	-6.2642	-6.0626	-5.9719	-5.9636	-5.7799	-5.7745	-5.6105
-5.6096	-5.4993	-5.4957	-5.4474	-5.3615	-5.3603	-5.2266	-5.2254
-5.1500	-5.1390	-4.7292	-4.7271	-4.6180	-4.6130	-4.5004	-4.4985
-3.7660	-3.7648	-3.5637	-3.5579	-3.2934	-2.9748	-2.7463	-1.9267
-0.6163	0.0274	0.5972	0.5987	1.7498	1.7535	1.9156	1.9318
2.2500	2.3275	2.4583	2.4604	2.4712	2.4723	2.5387	2.7006
2.7048	2.7827	2.7988	3.0755	3.1470	3.1622	3.2270	3.2284
3.2593	3.2633						

k = 0.1508-0.5774 0.0000 ( 64844 PWs) bands (ev):

-21.1674	-21.1633	-21.1182	-21.1169	-20.7610	-20.7396	-20.1897	-20.0410
-19.5366	-19.5356	-19.2040	-19.2023	-19.0468	-19.0458	-18.7930	-18.7916
-18.5190	-18.5169	-18.3084	-18.3069	-18.1058	-18.1044	-17.7827	-17.7812
-17.4795	-17.2980	-17.2960	-17.2568	-16.0247	-16.0197	-15.1650	-14.5805
-14.4335	-14.3003	-14.2979	-14.0052	-13.0825	-13.0778	-12.3153	-12.3094
-12.2167	-12.0617	-12.0607	-11.9581	-11.7365	-11.4955	-11.4944	-11.2959
-11.2916	-10.9537	-10.9527	-10.7969	-10.2235	-10.2229	-10.0553	-9.8090
-9.8049	-9.4434	-9.4348	-9.2608	-9.0905	-9.0902	-9.0716	-9.0643
-8.6412	-8.6315	-8.5543	-8.4683	-8.4667	-8.3179	-8.3171	-8.3044
-8.2128	-8.2082	-8.2025	-8.1974	-7.9772	-7.7604	-7.7251	-7.7090
-7.7052	-7.6964	-7.6955	-7.2951	-7.2946	-7.2229	-7.1890	-7.1844
-7.1842	-6.9838	-6.9820	-6.8666	-6.7225	-6.7162	-6.3948	-6.3619
-6.2812	-6.2804	-6.0339	-5.9511	-5.9417	-5.7842	-5.7780	-5.5907
-5.5899	-5.4966	-5.4930	-5.4244	-5.3674	-5.3663	-5.2239	-5.2227
-5.1582	-5.1473	-4.7354	-4.7333	-4.6497	-4.6448	-4.5253	-4.5234
-3.7511	-3.7499	-3.5402	-3.5343	-3.3033	-2.9682	-2.7659	-1.9007
-0.6397	0.0399	0.5742	0.5757	1.7883	1.7921	1.9194	1.9356
2.2472	2.3282	2.4586	2.4598	2.4621	2.4641	2.5171	2.7044
2.7087	2.7815	2.7976	3.0537	3.1507	3.1659	3.2547	3.2561
3.2631	3.2671						

k = 0.1587-0.5774 0.0000 ( 64820 PWs) bands (ev):

-21.1645	-21.1604	-21.1158	-21.1145	-20.7740	-20.7552	-20.1728	-20.0198
-19.5481	-19.5471	-19.2193	-19.2176	-19.0328	-19.0318	-18.7910	-18.7896
-18.4983	-18.4962	-18.3254	-18.3239	-18.1030	-18.1017	-17.7731	-17.7716
-17.4862	-17.3301	-17.3281	-17.2527	-15.9912	-15.9860	-15.1780	-14.5628
-14.4459	-14.3281	-14.3257	-13.9996	-13.0476	-13.0428	-12.3134	-12.3076
-12.2462	-12.0687	-12.0677	-11.9648	-11.7329	-11.4737	-11.4726	-11.3373
-11.3330	-10.9529	-10.9519	-10.7569	-10.2547	-10.2541	-10.0684	-9.7748
-9.7707	-9.4637	-9.4552	-9.2349	-9.0682	-9.0642	-9.0639	-9.0607
-8.6198	-8.6101	-8.5725	-8.4649	-8.4634	-8.3422	-8.3332	-8.3324
-8.2090	-8.2050	-8.1998	-8.1949	-7.9950	-7.7962	-7.7374	-7.7200
-7.6817	-7.6793	-7.6784	-7.2957	-7.2952	-7.2557	-7.1779	-7.1777
-7.1656	-6.9929	-6.9911	-6.8295	-6.7401	-6.7340	-6.3878	-6.3598
-6.2973	-6.2965	-6.0053	-5.9308	-5.9201	-5.7886	-5.7812	-5.5708
-5.5700	-5.4937	-5.4902	-5.4014	-5.3738	-5.3727	-5.2211	-5.2199
-5.1668	-5.1560	-4.7418	-4.7397	-4.6814	-4.6766	-4.5503	-4.5485
-3.7366	-3.7354	-3.5172	-3.5113	-3.3133	-2.9619	-2.7852	-1.8746
-0.6635	0.0521	0.5518	0.5534	1.8270	1.8309	1.9234	1.9396
2.2444	2.3289	2.4466	2.4478	2.4660	2.4681	2.4958	2.7085
2.7127	2.7802	2.7964	3.0321	3.1547	3.1698	3.2671	3.2711
3.2827	3.2840						

k = 0.1667-0.5774 0.0000 ( 64864 PWs) bands (ev):

-21.1615	-21.1574	-21.1133	-21.1119	-20.7869	-20.7706	-20.1557	-19.9985
-19.5595	-19.5585	-19.2344	-19.2328	-19.0188	-19.0178	-18.7888	-18.7874
-18.4774	-18.4753	-18.3426	-18.3410	-18.1002	-18.0989	-17.7638	-17.7622
-17.4930	-17.3621	-17.3602	-17.2488	-15.9579	-15.9526	-15.1909	-14.5449
-14.4583	-14.3554	-14.3532	-13.9947	-13.0125	-13.0077	-12.3115	-12.3056
-12.2749	-12.0753	-12.0743	-11.9716	-11.7295	-11.4516	-11.4505	-11.3787
-11.3745	-10.9520	-10.9510	-10.7169	-10.2859	-10.2852	-10.0810	-9.7411
-9.7370	-9.4840	-9.4756	-9.2088	-9.0647	-9.0570	-9.0382	-9.0379
-8.5997	-8.5925	-8.5854	-8.4615	-8.4600	-8.3799	-8.3484	-8.3476
-8.2049	-8.2017	-8.1969	-8.1923	-8.0127	-7.8321	-7.7503	-7.7329
-7.6621	-7.6612	-7.6566	-7.2963	-7.2958	-7.2887	-7.1713	-7.1711
-7.1420	-7.0025	-7.0007	-6.7925	-6.7576	-6.7516	-6.4137	-6.3248
-6.3132	-6.3124	-5.9769	-5.9116	-5.8990	-5.7927	-5.7836	-5.5509
-5.5501	-5.4906	-5.4873	-5.3809	-5.3796	-5.3780	-5.2181	-5.2169
-5.1758	-5.1649	-4.7485	-4.7465	-4.7132	-4.7085	-4.5755	-4.5736
-3.7225	-3.7213	-3.4947	-3.4888	-3.3232	-2.9558	-2.8044	-1.8483
-0.6875	0.0641	0.5301	0.5318	1.8660	1.8701	1.9276	1.9438
2.2415	2.3295	2.4352	2.4363	2.4692	2.4722	2.4756	2.7127
2.7169	2.7789	2.7950	3.0107	3.1588	3.1739	3.2636	3.2717
3.2754	3.3109						

k = 0.1746-0.5774 0.0000 ( 64816 PWs) bands (ev):

-21.1583	-21.1542	-21.1106	-21.1092	-20.7997	-20.7859	-20.1386	-19.9771
-19.5708	-19.5699	-19.2495	-19.2478	-19.0048	-19.0038	-18.7866	-18.7852
-18.4564	-18.4543	-18.3598	-18.3583	-18.0972	-18.0958	-17.7548	-17.7532
-17.4997	-17.3939	-17.3921	-17.2449	-15.9248	-15.9193	-15.2037	-14.5270
-14.4706	-14.3824	-14.3802	-13.9905	-12.9773	-12.9724	-12.3098	-12.3046
-12.3013	-12.0814	-12.0804	-11.9784	-11.7263	-11.4292	-11.4281	-11.4202
-11.4159	-10.9510	-10.9500	-10.6770	-10.3170	-10.3163	-10.0930	-9.7079
-9.7038	-9.5043	-9.4959	-9.1827	-9.0610	-9.0531	-9.0125	-9.0122
-8.6104	-8.5760	-8.5661	-8.4579	-8.4564	-8.4174	-8.3635	-8.3627
-8.2004	-8.1983	-8.1935	-8.1895	-8.0302	-7.8681	-7.7638	-7.7465
-7.6449	-7.6440	-7.6312	-7.3216	-7.2968	-7.2963	-7.1643	-7.1641
-7.1182	-7.0125	-7.0107	-6.7750	-6.7692	-6.7554	-6.4397	-6.3290
-6.3283	-6.2899	-5.9486	-5.8941	-5.8790	-5.7959	-5.7846	-5.5309
-5.5301	-5.4874	-5.4841	-5.3876	-5.3866	-5.3558	-5.2150	-5.2138
-5.1850	-5.1742	-4.7555	-4.7535	-4.7451	-4.7404	-4.6007	-4.5989

-3.7088	-3.7076	-3.4727	-3.4667	-3.3331	-2.9498	-2.8234	-1.8218
-0.7118	0.0758	0.5091	0.5108	1.9052	1.9094	1.9320	1.9482
2.2388	2.3300	2.4242	2.4254	2.4531	2.4750	2.4768	2.7172
2.7214	2.7775	2.7936	2.9894	3.1631	3.1780	3.2424	3.2759
3.2798	3.3393						

k = 0.1825-0.5774 0.0000 ( 64810 PWs)      bands (ev):

-21.1550	-21.1509	-21.1078	-21.1064	-20.8123	-20.8010	-20.1213	-19.9556
-19.5821	-19.5811	-19.2643	-19.2627	-18.9907	-18.9897	-18.7842	-18.7829
-18.4353	-18.4332	-18.3771	-18.3756	-18.0940	-18.0927	-17.7460	-17.7444
-17.5065	-17.4257	-17.4239	-17.2412	-15.8919	-15.8863	-15.2164	-14.5089
-14.4828	-14.4088	-14.4068	-13.9873	-12.9419	-12.9371	-12.3298	-12.3071
-12.3013	-12.0871	-12.0861	-11.9852	-11.7232	-11.4617	-11.4574	-11.4065
-11.4054	-10.9500	-10.9490	-10.6371	-10.3480	-10.3474	-10.1045	-9.6752
-9.6712	-9.5245	-9.5161	-9.1565	-9.0571	-9.0490	-8.9871	-8.9868
-8.6282	-8.5546	-8.5447	-8.4579	-8.4533	-8.4504	-8.3786	-8.3778
-8.1961	-8.1947	-8.1898	-8.1864	-8.0476	-7.9040	-7.7780	-7.7606
-7.6277	-7.6268	-7.6056	-7.3547	-7.2973	-7.2968	-7.1571	-7.1569
-7.0944	-7.0230	-7.0212	-6.7922	-6.7865	-6.7186	-6.4656	-6.3447
-6.3440	-6.2552	-5.9205	-5.8795	-5.8617	-5.7968	-5.7831	-5.5109
-5.5101	-5.4839	-5.4808	-5.3951	-5.3940	-5.3333	-5.2118	-5.2106
-5.1944	-5.1837	-4.7770	-4.7723	-4.7627	-4.7607	-4.6261	-4.6243
-3.6955	-3.6943	-3.4513	-3.4453	-3.3430	-2.9441	-2.8422	-1.7952
-0.7365	0.0873	0.4888	0.4906	1.9365	1.9445	1.9487	1.9532
2.2361	2.3304	2.4139	2.4150	2.4324	2.4794	2.4813	2.7219
2.7260	2.7760	2.7922	2.9684	3.1676	3.1822	3.2214	3.2805
3.2845	3.3677						

k = 0.1905-0.5774 0.0000 ( 64822 PWs)      bands (ev):

-21.1516	-21.1474	-21.1049	-21.1035	-20.8249	-20.8160	-20.1040	-19.9339
-19.5932	-19.5922	-19.2791	-19.2775	-18.9766	-18.9756	-18.7818	-18.7804
-18.4140	-18.4119	-18.3945	-18.3930	-18.0908	-18.0894	-17.7375	-17.7359
-17.5132	-17.4574	-17.4556	-17.2377	-15.8594	-15.8536	-15.2289	-14.4950
-14.4907	-14.4348	-14.4329	-13.9849	-12.9065	-12.9016	-12.3554	-12.3050
-12.2991	-12.0924	-12.0913	-11.9920	-11.7203	-11.5032	-11.4989	-11.3835
-11.3824	-10.9490	-10.9480	-10.5972	-10.3791	-10.3784	-10.1154	-9.6430
-9.6391	-9.5445	-9.5363	-9.1301	-9.0531	-9.0447	-8.9621	-8.9618
-8.6460	-8.5331	-8.5231	-8.4931	-8.4498	-8.4482	-8.3935	-8.3928
-8.1927	-8.1899	-8.1859	-8.1825	-8.0648	-7.9400	-7.7927	-7.7754
-7.6104	-7.6095	-7.5799	-7.3878	-7.2977	-7.2972	-7.1497	-7.1495
-7.0704	-7.0339	-7.0321	-6.8093	-6.8037	-6.6818	-6.4917	-6.3603
-6.3595	-6.2205	-5.8926	-5.8691	-5.8500	-5.7924	-5.7775	-5.4909
-5.4901	-5.4803	-5.4773	-5.4029	-5.4019	-5.3109	-5.2087	-5.2075
-5.2038	-5.1935	-4.8089	-4.8043	-4.7701	-4.7681	-4.6516	-4.6498
-3.6827	-3.6815	-3.4304	-3.4243	-3.3530	-2.9387	-2.8608	-1.7684
-0.7614	0.0985	0.4692	0.4712	1.9413	1.9574	1.9843	1.9889
2.2335	2.3307	2.4040	2.4052	2.4119	2.4842	2.4861	2.7267
2.7309	2.7744	2.7906	2.9476	3.1722	3.1854	3.2019	3.2854
3.2893	3.3953						

k = 0.1984-0.5774 0.0000 ( 64802 PWs)      bands (ev):

-21.1480	-21.1438	-21.1018	-21.1005	-20.8374	-20.8308	-20.0866	-19.9120
-19.6043	-19.6033	-19.2937	-19.2921	-18.9625	-18.9615	-18.7792	-18.7778
-18.4120	-18.4105	-18.3927	-18.3905	-18.0873	-18.0860	-17.7292	-17.7277
-17.5200	-17.4890	-17.4872	-17.2343	-15.8271	-15.8212	-15.2413	-14.5071
-14.4723	-14.4602	-14.4584	-13.9834	-12.8709	-12.8660	-12.3800	-12.3027
-12.2967	-12.0972	-12.0961	-11.9987	-11.7177	-11.5447	-11.5404	-11.3602
-11.3591	-10.9479	-10.9469	-10.5574	-10.4100	-10.4094	-10.1257	-9.6115
-9.6077	-9.5644	-9.5563	-9.1037	-9.0489	-9.0403	-8.9374	-8.9371

-8.6636	-8.5305	-8.5115	-8.5015	-8.4457	-8.4441	-8.4085	-8.4077
-8.1898	-8.1850	-8.1817	-8.1777	-8.0819	-7.9758	-7.8079	-7.7907
-7.5931	-7.5922	-7.5539	-7.4210	-7.2980	-7.2975	-7.1419	-7.1417
-7.0463	-7.0452	-7.0434	-6.8262	-6.8207	-6.6452	-6.5177	-6.3758
-6.3750	-6.1859	-5.8657	-5.8633	-5.8459	-5.7805	-5.7671	-5.4770
-5.4742	-5.4703	-5.4694	-5.4112	-5.4102	-5.2886	-5.2147	-5.2059
-5.2037	-5.2022	-4.8409	-4.8363	-4.7778	-4.7758	-4.6771	-4.6753
-3.6702	-3.6690	-3.4101	-3.4040	-3.3628	-2.9334	-2.8793	-1.7414
-0.7866	0.1094	0.4504	0.4524	1.9463	1.9625	2.0241	2.0289
2.2310	2.3309	2.3916	2.3948	2.3959	2.4892	2.4911	2.7318
2.7359	2.7728	2.7890	2.9270	3.1740	3.1794	3.1950	3.2904
3.2944	3.4052						

k = 0.2063-0.5774 0.0000 ( 64806 PWs) bands (ev):

-21.1442	-21.1401	-21.0987	-21.0973	-20.8499	-20.8454	-20.0691	-19.8901
-19.6152	-19.6143	-19.3081	-19.3065	-18.9483	-18.9474	-18.7766	-18.7752
-18.4297	-18.4282	-18.3711	-18.3690	-18.0838	-18.0824	-17.7213	-17.7197
-17.5267	-17.5204	-17.5187	-17.2311	-15.7953	-15.7892	-15.2536	-14.5192
-14.4850	-14.4834	-14.4539	-13.9830	-12.8353	-12.8303	-12.4035	-12.3003
-12.2943	-12.1015	-12.1005	-12.0054	-11.7152	-11.5862	-11.5820	-11.3367
-11.3355	-10.9468	-10.9458	-10.5176	-10.4410	-10.4403	-10.1354	-9.5867
-9.5817	-9.5760	-9.5736	-9.0772	-9.0447	-9.0357	-8.9130	-8.9128
-8.6812	-8.5679	-8.4899	-8.4799	-8.4413	-8.4398	-8.4233	-8.4225
-8.1869	-8.1812	-8.1762	-8.1719	-8.0988	-8.0117	-7.8238	-7.8066
-7.5758	-7.5750	-7.5279	-7.4542	-7.2983	-7.2978	-7.1338	-7.1336
-7.0570	-7.0552	-7.0220	-6.8430	-6.8376	-6.6086	-6.5438	-6.3911
-6.3903	-6.1515	-5.8638	-5.8488	-5.8364	-5.7630	-5.7524	-5.4730
-5.4701	-5.4503	-5.4495	-5.4198	-5.4189	-5.2664	-5.2249	-5.2144
-5.2008	-5.1997	-4.8728	-4.8683	-4.7856	-4.7837	-4.7028	-4.7010
-3.6582	-3.6570	-3.3904	-3.3843	-3.3727	-2.9284	-2.8976	-1.7142
-0.8121	0.1201	0.4323	0.4345	1.9515	1.9677	2.0640	2.0691
2.2286	2.3311	2.3715	2.3860	2.3872	2.4944	2.4963	2.7371
2.7412	2.7711	2.7873	2.9066	3.1562	3.1828	3.1988	3.2957
3.2996	3.3711						

k = 0.2143-0.5774 0.0000 ( 64814 PWs) bands (ev):

-21.1403	-21.1362	-21.0954	-21.0940	-20.8626	-20.8595	-20.0515	-19.8679
-19.6261	-19.6252	-19.3225	-19.3209	-18.9342	-18.9332	-18.7738	-18.7724
-18.4473	-18.4458	-18.3495	-18.3473	-18.0801	-18.0787	-17.7136	-17.7120
-17.5518	-17.5501	-17.5335	-17.2281	-15.7640	-15.7577	-15.2658	-14.5312
-14.5091	-14.5076	-14.4353	-13.9836	-12.7995	-12.7945	-12.4258	-12.2977
-12.2918	-12.1054	-12.1044	-12.0121	-11.7129	-11.6278	-11.6235	-11.3129
-11.3117	-10.9457	-10.9447	-10.4780	-10.4719	-10.4712	-10.1446	-9.6052
-9.5968	-9.5497	-9.5455	-9.0506	-9.0403	-9.0308	-8.8891	-8.8888
-8.6986	-8.6051	-8.4683	-8.4583	-8.4380	-8.4373	-8.4368	-8.4353
-8.1842	-8.1781	-8.1696	-8.1655	-8.1155	-8.0475	-7.8402	-7.8230
-7.5585	-7.5576	-7.5016	-7.4875	-7.2986	-7.2980	-7.1255	-7.1253
-7.0691	-7.0673	-6.9976	-6.8596	-6.8543	-6.5721	-6.5699	-6.4063
-6.4055	-6.1171	-5.8668	-5.8537	-5.8093	-5.7427	-5.7346	-5.4689
-5.4662	-5.4301	-5.4293	-5.4289	-5.4280	-5.2443	-5.2353	-5.2248
-5.1971	-5.1959	-4.9048	-4.9004	-4.7937	-4.7918	-4.7285	-4.7268
-3.6467	-3.6455	-3.3826	-3.3712	-3.3651	-2.9237	-2.9157	-1.6869
-0.8379	0.1306	0.4150	0.4173	1.9569	1.9731	2.1041	2.1095
2.2262	2.3312	2.3518	2.3779	2.3790	2.4998	2.5017	2.7426
2.7467	2.7693	2.7855	2.8864	3.1360	3.1880	3.2038	3.3011
3.3050	3.3324						

k = 0.2222-0.5774 0.0000 ( 64840 PWs) bands (ev):

-21.1363	-21.1322	-21.0920	-21.0906	-20.8759	-20.8727	-20.0338	-19.8457
----------	----------	----------	----------	----------	----------	----------	----------

-19.6369	-19.6360	-19.3366	-19.3350	-18.9200	-18.9190	-18.7710	-18.7696
-18.4651	-18.4636	-18.3277	-18.3255	-18.0763	-18.0749	-17.7062	-17.7047
-17.5830	-17.5814	-17.5402	-17.2252	-15.7332	-15.7267	-15.2778	-14.5431
-14.5325	-14.5311	-14.4166	-13.9853	-12.7636	-12.7585	-12.4468	-12.2952
-12.2892	-12.1088	-12.1078	-12.0188	-11.7108	-11.6693	-11.6651	-11.2888
-11.2876	-10.9445	-10.9435	-10.5027	-10.5020	-10.4383	-10.1531	-9.6250
-9.6166	-9.5201	-9.5159	-9.0359	-9.0259	-9.0239	-8.8655	-8.8653
-8.7158	-8.6422	-8.4527	-8.4520	-8.4468	-8.4367	-8.4322	-8.4306
-8.1814	-8.1751	-8.1622	-8.1585	-8.1320	-8.0832	-7.8572	-7.8400
-7.5412	-7.5403	-7.5208	-7.4752	-7.2987	-7.2982	-7.1169	-7.1167
-7.0817	-7.0799	-6.9731	-6.8762	-6.8709	-6.5960	-6.5358	-6.4213
-6.4206	-6.0829	-5.8721	-5.8607	-5.7821	-5.7210	-5.7149	-5.4647
-5.4621	-5.4384	-5.4375	-5.4098	-5.4090	-5.2460	-5.2355	-5.2224
-5.1931	-5.1919	-4.9368	-4.9324	-4.8020	-4.8001	-4.7544	-4.7526
-3.6356	-3.6343	-3.3924	-3.3527	-3.3466	-2.9336	-2.9192	-1.6594
-0.8640	0.1408	0.3984	0.4009	1.9626	1.9787	2.1442	2.1500
2.2239	2.3312	2.3325	2.3703	2.3714	2.5054	2.5073	2.7483
2.7523	2.7675	2.7836	2.8663	3.1158	3.1935	3.2091	3.2926
3.2986	3.3072						

k = 0.2302-0.5774 0.0000 ( 64824 PWs) bands (ev):

-21.1321	-21.1280	-21.0884	-21.0871	-20.8897	-20.8851	-20.0161	-19.8233
-19.6476	-19.6467	-19.3507	-19.3491	-18.9058	-18.9048	-18.7680	-18.7666
-18.4830	-18.4815	-18.3058	-18.3036	-18.0723	-18.0709	-17.6991	-17.6976
-17.6142	-17.6125	-17.5469	-17.2225	-15.7030	-15.6963	-15.2897	-14.5552
-14.5547	-14.5538	-14.3978	-13.9882	-12.7276	-12.7225	-12.4666	-12.2925
-12.2865	-12.1118	-12.1108	-12.0255	-11.7108	-11.7088	-11.7066	-11.2644
-11.2632	-10.9433	-10.9423	-10.5334	-10.5327	-10.3988	-10.1611	-9.6448
-9.6365	-9.4910	-9.4869	-9.0314	-9.0207	-8.9972	-8.8423	-8.8421
-8.7328	-8.6791	-8.4673	-8.4666	-8.4273	-8.4258	-8.4251	-8.4151
-8.1786	-8.1723	-8.1543	-8.1521	-8.1471	-8.1190	-7.8747	-7.8575
-7.5542	-7.5238	-7.5229	-7.4487	-7.2989	-7.2983	-7.1080	-7.1077
-7.0946	-7.0927	-6.9485	-6.8925	-6.8873	-6.6222	-6.4995	-6.4363
-6.4355	-6.0487	-5.8791	-5.8689	-5.7550	-5.6986	-5.6939	-5.4604
-5.4579	-5.4482	-5.4474	-5.3895	-5.3887	-5.2568	-5.2463	-5.2006
-5.1890	-5.1878	-4.9688	-4.9644	-4.8104	-4.8086	-4.7803	-4.7785
-3.6249	-3.6236	-3.4022	-3.3349	-3.3288	-2.9514	-2.9150	-1.6318
-0.8903	0.1508	0.3827	0.3853	1.9684	1.9844	2.1840	2.1905
2.2219	2.3140	2.3311	2.3632	2.3644	2.5112	2.5131	2.7542
2.7579	2.7658	2.7817	2.8465	3.0957	3.1992	3.2148	3.2532
3.2591	3.3128						

k = 0.2381-0.5774 0.0000 ( 64812 PWs) bands (ev):

-21.1277	-21.1236	-21.0848	-21.0834	-20.9037	-20.8971	-19.9982	-19.8008
-19.6583	-19.6573	-19.3646	-19.3630	-18.8915	-18.8905	-18.7649	-18.7636
-18.5009	-18.4994	-18.2837	-18.2815	-18.0682	-18.0668	-17.6923	-17.6907
-17.6452	-17.6436	-17.5536	-17.2200	-15.6736	-15.6667	-15.3015	-14.5766
-14.5755	-14.5666	-14.3789	-13.9923	-12.6915	-12.6864	-12.4849	-12.2897
-12.2837	-12.1144	-12.1133	-12.0321	-11.7524	-11.7482	-11.7071	-11.2397
-11.2386	-10.9420	-10.9410	-10.5641	-10.5634	-10.3593	-10.1685	-9.6645
-9.6563	-9.4627	-9.4585	-9.0269	-9.0153	-8.9705	-8.8194	-8.8193
-8.7497	-8.7158	-8.4818	-8.4811	-8.4223	-8.4207	-8.4036	-8.3934
-8.1758	-8.1694	-8.1652	-8.1547	-8.1457	-8.1420	-7.8928	-7.8757
-7.5876	-7.5065	-7.5056	-7.4220	-7.2989	-7.2984	-7.1080	-7.1063
-7.0987	-7.0984	-6.9238	-6.9087	-6.9035	-6.6483	-6.4634	-6.4511
-6.4503	-6.0147	-5.8873	-5.8779	-5.7282	-5.6757	-5.6723	-5.4587
-5.4578	-5.4558	-5.4534	-5.3692	-5.3684	-5.2677	-5.2572	-5.1848
-5.1836	-5.1790	-5.0007	-4.9964	-4.8190	-4.8172	-4.8063	-4.8045
-3.6146	-3.6134	-3.4120	-3.3177	-3.3116	-2.9689	-2.9110	-1.6039
-0.9169	0.1605	0.3678	0.3706	1.9744	1.9904	2.2186	2.2224



2.2324	2.2976	2.3309	2.3568	2.3579	2.5172	2.5192	2.7603
2.7618	2.7660	2.7796	2.8269	3.0758	3.2051	3.2134	3.2193
3.2207	3.3188						

k = 0.2460-0.5774 0.0000 ( 64824 PWs) bands (ev):

-21.1233	-21.1192	-21.0810	-21.0796	-20.9177	-20.9089	-19.9803	-19.7781
-19.6688	-19.6678	-19.3783	-19.3768	-18.8773	-18.8763	-18.7618	-18.7604
-18.5189	-18.5174	-18.2615	-18.2593	-18.0639	-18.0625	-17.6858	-17.6842
-17.6761	-17.6745	-17.5603	-17.2176	-15.6450	-15.6379	-15.3132	-14.5971
-14.5962	-14.5783	-14.3598	-13.9976	-12.6553	-12.6501	-12.5019	-12.2868
-12.2808	-12.1164	-12.1154	-12.0387	-11.7939	-11.7897	-11.7055	-11.2148
-11.2137	-10.9407	-10.9397	-10.5947	-10.5940	-10.3199	-10.1753	-9.6843
-9.6761	-9.4350	-9.4308	-9.0226	-9.0098	-8.9437	-8.7970	-8.7968
-8.7663	-8.7521	-8.4963	-8.4955	-8.4171	-8.4155	-8.3820	-8.3718
-8.1903	-8.1812	-8.1731	-8.1666	-8.1365	-8.1332	-7.9114	-7.8943
-7.6211	-7.4891	-7.4882	-7.3951	-7.2990	-7.2984	-7.1217	-7.1200
-7.0892	-7.0889	-6.9248	-6.9196	-6.8989	-6.6745	-6.4658	-6.4650
-6.4274	-5.9808	-5.8965	-5.8877	-5.7015	-5.6526	-5.6501	-5.4693
-5.4685	-5.4513	-5.4490	-5.3488	-5.3480	-5.2787	-5.2682	-5.1804
-5.1792	-5.1575	-5.0326	-5.0284	-4.8323	-4.8306	-4.8277	-4.8260
-3.6048	-3.6036	-3.4218	-3.3012	-3.2951	-2.9863	-2.9074	-1.5759
-0.9438	0.1700	0.3538	0.3567	1.9806	1.9966	2.2173	2.2496
2.2725	2.2926	2.3306	2.3508	2.3520	2.5234	2.5254	2.7606
2.7666	2.7713	2.7776	2.8075	3.0561	3.1737	3.1794	3.2113
3.2267	3.3251						

k = 0.2540-0.5774 0.0000 ( 64842 PWs) bands (ev):

-21.1186	-21.1145	-21.0771	-21.0757	-20.9315	-20.9206	-19.9623	-19.7553
-19.6792	-19.6782	-19.3919	-19.3904	-18.8630	-18.8620	-18.7585	-18.7571
-18.5369	-18.5354	-18.2392	-18.2370	-18.0595	-18.0581	-17.7069	-17.7053
-17.6795	-17.6780	-17.5670	-17.2155	-15.6174	-15.6101	-15.3248	-14.6164
-14.6156	-14.5898	-14.3407	-14.0043	-12.6190	-12.6138	-12.5174	-12.2838
-12.2778	-12.1181	-12.1171	-12.0453	-11.8354	-11.8313	-11.7041	-11.1897
-11.1885	-10.9394	-10.9384	-10.6252	-10.6245	-10.2807	-10.1814	-9.7039
-9.6958	-9.4081	-9.4039	-9.0186	-9.0041	-8.9169	-8.7879	-8.7828
-8.7750	-8.7748	-8.5106	-8.5098	-8.4117	-8.4102	-8.3605	-8.3502
-8.2259	-8.1972	-8.1703	-8.1637	-8.1267	-8.1236	-7.9305	-7.9135
-7.6546	-7.4717	-7.4708	-7.3681	-7.2990	-7.2984	-7.1359	-7.1341
-7.0794	-7.0791	-6.9407	-6.9356	-6.8740	-6.7007	-6.4803	-6.4795
-6.3915	-5.9471	-5.9065	-5.8981	-5.6751	-5.6294	-5.6275	-5.4805
-5.4798	-5.4466	-5.4444	-5.3285	-5.3277	-5.2896	-5.2791	-5.1758
-5.1746	-5.1361	-5.0645	-5.0603	-4.8585	-4.8568	-4.8366	-4.8349
-3.5954	-3.5942	-3.4315	-3.2854	-3.2793	-3.0035	-2.9040	-1.5478
-0.9710	0.1793	0.3406	0.3436	1.9870	2.0030	2.2155	2.2456
2.3128	2.3196	2.3303	2.3456	2.3468	2.5298	2.5318	2.7585
2.7730	2.7755	2.7776	2.7883	3.0365	3.1339	3.1395	3.2176
3.2330	3.3316						

k = 0.2619-0.5774 0.0000 ( 64842 PWs) bands (ev):

-21.1138	-21.1097	-21.0730	-21.0717	-20.9452	-20.9321	-19.9442	-19.7324
-19.6895	-19.6886	-19.4054	-19.4038	-18.8488	-18.8478	-18.7552	-18.7538
-18.5550	-18.5535	-18.2168	-18.2145	-18.0550	-18.0536	-17.7376	-17.7360
-17.6736	-17.6720	-17.5736	-17.2135	-15.5910	-15.5835	-15.3362	-14.6344
-14.6337	-14.6013	-14.3214	-14.0122	-12.5826	-12.5773	-12.5314	-12.2808
-12.2747	-12.1192	-12.1182	-12.0519	-11.8770	-11.8728	-11.7029	-11.1643
-11.1631	-10.9380	-10.9370	-10.6556	-10.6549	-10.2415	-10.1870	-9.7235
-9.7154	-9.3820	-9.3777	-9.0152	-8.9983	-8.8900	-8.8228	-8.7991
-8.7534	-8.7532	-8.5249	-8.5241	-8.4062	-8.4046	-8.3389	-8.3286
-8.2614	-8.2130	-8.1674	-8.1609	-8.1163	-8.1134	-7.9502	-7.9332

-7.6881	-7.4543	-7.4534	-7.3409	-7.2989	-7.2983	-7.1504	-7.1486
-7.0692	-7.0689	-6.9564	-6.9514	-6.8489	-6.7269	-6.4947	-6.4939
-6.3558	-5.9173	-5.9134	-5.9092	-5.6489	-5.6061	-5.6047	-5.4922
-5.4914	-5.4418	-5.4397	-5.3090	-5.3080	-5.2993	-5.2896	-5.1711
-5.1699	-5.1149	-5.0963	-5.0921	-4.8847	-4.8830	-4.8457	-4.8440
-3.5865	-3.5853	-3.4411	-3.2704	-3.2642	-3.0205	-2.9009	-1.5194
-0.9985	0.1883	0.3283	0.3314	1.9936	2.0095	2.2138	2.2299
2.3299	2.3400	2.3412	2.3545	2.3595	2.5365	2.5384	2.7562
2.7693	2.7729	2.7800	2.7843	3.0172	3.0940	3.0996	3.2242
3.2395	3.3383						

k = 0.2698-0.5774 0.0000 ( 64842 PWs)      bands (ev):

-21.1089	-21.1048	-21.0689	-21.0675	-20.9587	-20.9435	-19.9260	-19.7093
-19.6998	-19.6988	-19.4187	-19.4172	-18.8345	-18.8335	-18.7517	-18.7503
-18.5732	-18.5717	-18.1942	-18.1919	-18.0503	-18.0489	-17.7681	-17.7666
-17.6679	-17.6663	-17.5803	-17.2117	-15.5660	-15.5582	-15.3475	-14.6508
-14.6501	-14.6127	-14.3020	-14.0215	-12.5470	-12.5433	-12.5405	-12.2776
-12.2716	-12.1199	-12.1189	-12.0584	-11.9185	-11.9143	-11.7018	-11.1386
-11.1374	-10.9367	-10.9356	-10.6859	-10.6852	-10.2025	-10.1920	-9.7430
-9.7350	-9.3567	-9.3523	-9.0130	-8.9922	-8.8632	-8.8562	-8.8152
-8.7322	-8.7321	-8.5390	-8.5383	-8.4005	-8.3989	-8.3174	-8.3071
-8.2969	-8.2286	-8.1646	-8.1580	-8.1052	-8.1025	-7.9704	-7.9534
-7.7217	-7.4368	-7.4359	-7.3136	-7.2988	-7.2982	-7.1653	-7.1635
-7.0588	-7.0584	-6.9720	-6.9670	-6.8236	-6.7531	-6.5090	-6.5082
-6.3202	-5.9288	-5.9209	-5.8800	-5.6230	-5.5830	-5.5815	-5.5043
-5.5036	-5.4369	-5.4350	-5.3124	-5.3023	-5.2865	-5.2855	-5.1663
-5.1651	-5.1281	-5.1239	-5.0938	-4.9110	-4.9093	-4.8548	-4.8532
-3.5781	-3.5768	-3.4508	-3.2560	-3.2499	-3.0374	-2.8981	-1.4910
-1.0262	0.1971	0.3168	0.3201	2.0004	2.0163	2.2121	2.2125
2.3293	2.3363	2.3373	2.3952	2.4003	2.5433	2.5452	2.7505
2.7539	2.7705	2.7869	2.7912	2.9980	3.0542	3.0596	3.2309
3.2461	3.3452						

k = 0.2778-0.5774 0.0000 ( 64818 PWs)      bands (ev):

-21.1039	-21.0998	-21.0646	-21.0632	-20.9721	-20.9548	-19.9078	-19.7099
-19.7090	-19.6861	-19.4319	-19.4304	-18.8202	-18.8192	-18.7481	-18.7467
-18.5915	-18.5900	-18.1715	-18.1692	-18.0455	-18.0441	-17.7986	-17.7971
-17.6625	-17.6610	-17.5869	-17.2101	-15.5425	-15.5345	-15.3587	-14.6656
-14.6648	-14.6240	-14.2825	-14.0321	-12.5550	-12.5094	-12.5041	-12.2744
-12.2683	-12.1202	-12.1192	-12.0649	-11.9600	-11.9558	-11.7009	-11.1127
-11.1115	-10.9352	-10.9342	-10.7161	-10.7154	-10.1964	-10.1635	-9.7625
-9.7545	-9.3323	-9.3277	-9.0133	-8.9860	-8.8870	-8.8363	-8.8311
-8.7114	-8.7113	-8.5531	-8.5523	-8.3946	-8.3930	-8.3323	-8.2959
-8.2855	-8.2441	-8.1617	-8.1551	-8.0935	-8.0910	-7.9911	-7.9742
-7.7553	-7.4194	-7.4185	-7.2987	-7.2981	-7.2861	-7.1806	-7.1788
-7.0480	-7.0477	-6.9874	-6.9825	-6.7983	-6.7794	-6.5231	-6.5223
-6.2848	-5.9409	-5.9332	-5.8466	-5.5973	-5.5602	-5.5582	-5.5168
-5.5161	-5.4320	-5.4302	-5.3228	-5.3123	-5.2664	-5.2655	-5.1613
-5.1601	-5.1597	-5.1556	-5.0729	-4.9373	-4.9356	-4.8641	-4.8625
-3.5701	-3.5688	-3.4604	-3.2424	-3.2363	-3.0541	-2.8956	-1.4623
-1.0542	0.2057	0.3063	0.3097	2.0074	2.0232	2.1947	2.2107
2.3287	2.3327	2.3337	2.4367	2.4419	2.5503	2.5523	2.7319
2.7513	2.7681	2.7941	2.7983	2.9790	3.0143	3.0197	3.2378
3.2530	3.3522						

k = 0.2857-0.5774 0.0000 ( 64838 PWs)      bands (ev):

-21.0986	-21.0946	-21.0602	-21.0588	-20.9854	-20.9660	-19.8894	-19.7200
-19.7190	-19.6627	-19.4450	-19.4434	-18.8059	-18.8049	-18.7445	-18.7431
-18.6097	-18.6083	-18.1486	-18.1463	-18.0406	-18.0391	-17.8289	-17.8274

-17.6575	-17.6559	-17.5934	-17.2087	-15.5207	-15.5125	-15.3697	-14.6784
-14.6775	-14.6353	-14.2628	-14.0441	-12.5645	-12.4727	-12.4673	-12.2711
-12.2650	-12.1200	-12.1190	-12.0713	-12.0014	-11.9973	-11.7002	-11.0865
-11.0853	-10.9338	-10.9328	-10.7462	-10.7455	-10.2002	-10.1247	-9.7819
-9.7739	-9.3087	-9.3039	-9.0183	-8.9797	-8.9128	-8.8467	-8.8094
-8.6911	-8.6910	-8.5671	-8.5663	-8.3885	-8.3870	-8.3676	-8.2744
-8.2639	-8.2594	-8.1588	-8.1522	-8.0811	-8.0787	-8.0123	-7.9954
-7.7889	-7.4019	-7.4010	-7.2985	-7.2979	-7.2585	-7.1963	-7.1945
-7.0370	-7.0366	-7.0026	-6.9977	-6.8056	-6.7729	-6.5371	-6.5363
-6.2495	-5.9538	-5.9461	-5.8134	-5.5721	-5.5377	-5.5349	-5.5297
-5.5291	-5.4272	-5.4253	-5.3330	-5.3224	-5.2459	-5.2451	-5.1913
-5.1871	-5.1562	-5.1550	-5.0521	-4.9637	-4.9620	-4.8735	-4.8719
-3.5625	-3.5612	-3.4699	-3.2296	-3.2235	-3.0705	-2.8934	-1.4335
-1.0825	0.2141	0.2966	0.3002	2.0146	2.0303	2.1768	2.2094
2.3279	2.3298	2.3306	2.4785	2.4838	2.5576	2.5595	2.7136
2.7487	2.7655	2.8014	2.8057	2.9602	2.9745	2.9797	3.2449
3.2600	3.3595						

k = 0.2936-0.5774 0.0000 ( 64858 PWs)      bands (ev):

-21.0933	-21.0892	-21.0557	-21.0543	-20.9985	-20.9770	-19.8710	-19.7299
-19.7290	-19.6392	-19.4579	-19.4563	-18.7916	-18.7906	-18.7407	-18.7393
-18.6281	-18.6266	-18.1256	-18.1233	-18.0355	-18.0340	-17.8591	-17.8577
-17.6527	-17.6511	-17.6000	-17.2076	-15.5010	-15.4926	-15.3807	-14.6890
-14.6880	-14.6464	-14.2431	-14.0575	-12.5725	-12.4358	-12.4304	-12.2677
-12.2615	-12.1194	-12.1184	-12.0777	-12.0429	-12.0388	-11.6996	-11.0601
-11.0589	-10.9323	-10.9313	-10.7762	-10.7755	-10.2033	-10.0860	-9.8012
-9.7933	-9.2860	-9.2809	-9.0313	-8.9731	-8.9304	-8.8621	-8.7826
-8.6712	-8.6711	-8.5810	-8.5802	-8.4029	-8.3823	-8.3808	-8.2746
-8.2530	-8.2424	-8.1559	-8.1493	-8.0681	-8.0658	-8.0340	-8.0171
-7.8225	-7.3844	-7.3835	-7.2983	-7.2977	-7.2307	-7.2123	-7.2105
-7.0262	-7.0257	-7.0171	-7.0125	-6.8319	-6.7473	-6.5509	-6.5501
-6.2145	-5.9672	-5.9596	-5.7804	-5.5473	-5.5433	-5.5427	-5.5157
-5.5116	-5.4225	-5.4204	-5.3426	-5.3318	-5.2256	-5.2249	-5.2224
-5.2182	-5.1509	-5.1497	-5.0315	-4.9901	-4.9884	-4.8830	-4.8814
-3.5554	-3.5541	-3.4794	-3.2175	-3.2114	-3.0868	-2.8916	-1.4045
-1.1110	0.2222	0.2879	0.2917	2.0219	2.0375	2.1592	2.2083
2.3265	2.3279	2.3282	2.5204	2.5260	2.5650	2.5669	2.6955
2.7460	2.7628	2.8090	2.8132	2.9343	2.9396	2.9422	3.2523
3.2671	3.3667						

k = 0.3016-0.5774 0.0000 ( 64820 PWs)      bands (ev):

-21.0878	-21.0837	-21.0510	-21.0497	-21.0115	-20.9880	-19.8525	-19.7398
-19.7388	-19.6156	-19.4706	-19.4691	-18.7773	-18.7763	-18.7368	-18.7354
-18.6465	-18.6450	-18.1025	-18.1002	-18.0302	-18.0288	-17.8892	-17.8878
-17.6482	-17.6466	-17.6065	-17.2066	-15.4835	-15.4749	-15.3915	-14.6971
-14.6960	-14.6574	-14.2232	-14.0722	-12.5789	-12.3989	-12.3935	-12.2642
-12.2580	-12.1183	-12.1173	-12.0843	-12.0840	-12.0802	-11.6991	-11.0335
-11.0323	-10.9308	-10.9298	-10.8061	-10.8054	-10.2059	-10.0475	-9.8205
-9.8126	-9.2642	-9.2588	-9.0533	-8.9664	-8.9386	-8.8773	-8.7557
-8.6518	-8.6516	-8.5948	-8.5940	-8.4381	-8.3760	-8.3744	-8.2896
-8.2317	-8.2209	-8.1529	-8.1464	-8.0562	-8.0544	-8.0521	-8.0392
-7.8562	-7.3670	-7.3661	-7.2980	-7.2975	-7.2286	-7.2268	-7.2028
-7.0334	-7.0286	-7.0132	-7.0128	-6.8582	-6.7216	-6.5646	-6.5638
-6.1796	-5.9813	-5.9737	-5.7475	-5.5572	-5.5566	-5.5231	-5.4948
-5.4890	-5.4181	-5.4152	-5.3511	-5.3403	-5.2541	-5.2493	-5.2048
-5.2039	-5.1456	-5.1443	-5.0166	-5.0149	-5.0111	-4.8925	-4.8910
-3.5488	-3.5475	-3.4888	-3.2062	-3.2001	-3.1029	-2.8900	-1.3753
-1.1398	0.2301	0.2800	0.2840	2.0295	2.0448	2.1417	2.2075
2.3247	2.3260	2.3271	2.5620	2.5680	2.5730	2.5748	2.6779
2.7432	2.7600	2.8168	2.8210	2.8946	2.8998	2.9236	3.2598

3.2744 3.3689

k = 0.3095-0.5774 0.0000 ( 64832 PWs) bands (ev):

-21.0821	-21.0781	-21.0462	-21.0449	-21.0243	-20.9988	-19.8339	-19.7495
-19.7486	-19.5918	-19.4832	-19.4817	-18.7630	-18.7620	-18.7329	-18.7315
-18.6649	-18.6634	-18.0793	-18.0769	-18.0249	-18.0234	-17.9192	-17.9178
-17.6440	-17.6424	-17.6130	-17.2058	-15.4685	-15.4597	-15.4021	-14.7026
-14.7013	-14.6683	-14.2032	-14.0882	-12.5839	-12.3619	-12.3564	-12.2606
-12.2544	-12.1257	-12.1216	-12.1168	-12.1158	-12.0904	-11.6988	-11.0066
-11.0054	-10.9292	-10.9282	-10.8358	-10.8351	-10.2079	-10.0091	-9.8397
-9.8318	-9.2434	-9.2375	-9.0818	-8.9596	-8.9402	-8.8921	-8.7289
-8.6328	-8.6326	-8.6085	-8.6077	-8.4733	-8.3694	-8.3679	-8.3044
-8.2105	-8.1995	-8.1498	-8.1433	-8.0788	-8.0624	-8.0396	-8.0377
-7.8899	-7.3495	-7.3486	-7.2978	-7.2972	-7.2453	-7.2436	-7.1747
-7.0480	-7.0431	-7.0014	-7.0010	-6.8844	-6.6958	-6.5782	-6.5774
-6.1450	-5.9961	-5.9885	-5.7147	-5.5716	-5.5711	-5.4999	-5.4760
-5.4677	-5.4138	-5.4093	-5.3580	-5.3472	-5.2853	-5.2794	-5.1842
-5.1834	-5.1400	-5.1388	-5.0431	-5.0414	-4.9907	-4.9021	-4.9007
-3.5426	-3.5413	-3.4982	-3.1957	-3.1897	-3.1188	-2.8888	-1.3460
-1.1688	0.2378	0.2732	0.2773	2.0372	2.0521	2.1247	2.2067
2.3234	2.3246	2.3262	2.5802	2.5821	2.6046	2.6104	2.6612
2.7403	2.7571	2.8247	2.8289	2.8549	2.8600	2.9055	3.2674
3.2817	3.3534						

k = 0.3175-0.5774 0.0000 ( 64832 PWs) bands (ev):

-21.0764	-21.0723	-21.0414	-21.0400	-21.0368	-21.0095	-19.8153	-19.7592
-19.7582	-19.5680	-19.4957	-19.4942	-18.7488	-18.7477	-18.7288	-18.7274
-18.6834	-18.6819	-18.0559	-18.0536	-18.0194	-18.0179	-17.9491	-17.9476
-17.6401	-17.6385	-17.6194	-17.2053	-15.4562	-15.4472	-15.4126	-14.7052
-14.7038	-14.6791	-14.1832	-14.1055	-12.5874	-12.3247	-12.3193	-12.2569
-12.2507	-12.1670	-12.1629	-12.1148	-12.1138	-12.0966	-11.6985	-10.9795
-10.9783	-10.9277	-10.9267	-10.8655	-10.8648	-10.2094	-9.9708	-9.8587
-9.8510	-9.2236	-9.2171	-9.1137	-8.9526	-8.9380	-8.9066	-8.7021
-8.6221	-8.6214	-8.6142	-8.6140	-8.5083	-8.3627	-8.3611	-8.3191
-8.1895	-8.1782	-8.1464	-8.1402	-8.1019	-8.0855	-8.0246	-8.0226
-7.9237	-7.3320	-7.3311	-7.2975	-7.2969	-7.2624	-7.2606	-7.1466
-7.0626	-7.0577	-6.9891	-6.9887	-6.9107	-6.6699	-6.5917	-6.5909
-6.1106	-6.0115	-6.0038	-5.6821	-5.5865	-5.5860	-5.4784	-5.4612
-5.4502	-5.4079	-5.4014	-5.3623	-5.3518	-5.3163	-5.3080	-5.1637
-5.1628	-5.1344	-5.1331	-5.0696	-5.0680	-4.9706	-4.9118	-4.9105
-3.5369	-3.5356	-3.5076	-3.1861	-3.1801	-3.1345	-2.8879	-1.3165
-1.1981	0.2452	0.2673	0.2716	2.0451	2.0591	2.1084	2.2062
2.3225	2.3238	2.3253	2.5882	2.5902	2.6342	2.6508	2.6587
2.7372	2.7542	2.8150	2.8201	2.8330	2.8372	2.8876	3.2752
3.2887	3.3372						

k = 0.3254-0.5774 0.0000 ( 64802 PWs) bands (ev):

-21.0706	-21.0665	-21.0491	-21.0363	-21.0350	-21.0200	-19.7966	-19.7688
-19.7678	-19.5439	-19.5080	-19.5065	-18.7346	-18.7335	-18.7246	-18.7232
-18.7019	-18.7003	-18.0325	-18.0301	-18.0137	-18.0123	-17.9788	-17.9773
-17.6365	-17.6349	-17.6258	-17.2049	-15.4468	-15.4377	-15.4226	-14.7048
-14.7032	-14.6899	-14.1631	-14.1240	-12.5895	-12.2876	-12.2821	-12.2532
-12.2470	-12.2083	-12.2042	-12.1124	-12.1114	-12.1028	-11.6984	-10.9522
-10.9510	-10.9261	-10.9251	-10.8949	-10.8942	-10.2102	-9.9328	-9.8778
-9.8700	-9.2051	-9.1977	-9.1471	-8.9456	-8.9339	-8.9205	-8.6754
-8.6356	-8.6348	-8.5961	-8.5959	-8.5433	-8.3558	-8.3542	-8.3335
-8.1694	-8.1574	-8.1423	-8.1367	-8.1253	-8.1091	-8.0088	-8.0068
-7.9574	-7.3145	-7.3136	-7.2971	-7.2966	-7.2797	-7.2780	-7.1182
-7.0771	-7.0722	-6.9765	-6.9760	-6.9369	-6.6439	-6.6050	-6.6042

-6.0765	-6.0275	-6.0197	-5.6497	-5.6018	-5.6014	-5.4606	-5.4525
-5.4408	-5.3968	-5.3904	-5.3635	-5.3533	-5.3469	-5.3334	-5.1431
-5.1422	-5.1285	-5.1273	-5.0962	-5.0945	-4.9506	-4.9216	-4.9203
-3.5316	-3.5303	-3.5168	-3.1773	-3.1713	-3.1498	-2.8874	-1.2869
-1.2276	0.2521	0.2625	0.2670	2.0528	2.0647	2.0943	2.2059
2.3221	2.3234	2.3245	2.5964	2.5984	2.6224	2.6916	2.6971
2.7341	2.7511	2.7756	2.7808	2.8413	2.8453	2.8701	3.2829
3.2944	3.3230						

k = 0.3333-0.5774 0.0000 ( 64770 PWs) bands (ev):

-21.0663	-21.0620	-21.0581	-21.0316	-21.0304	-21.0295	-19.7787	-19.7776
-19.7770	-19.5210	-19.5193	-19.5183	-18.7212	-18.7206	-18.7202	-18.7195
-18.7190	-18.7175	-18.0097	-18.0087	-18.0082	-18.0067	-18.0063	-18.0055
-17.6336	-17.6322	-17.6311	-17.2048	-15.4411	-15.4337	-15.4293	-14.7012
-14.7005	-14.6994	-14.1467	-14.1398	-12.5902	-12.2523	-12.2499	-12.2484
-12.2478	-12.2443	-12.2398	-12.1099	-12.1088	-12.1084	-11.6983	-10.9253
-10.9246	-10.9243	-10.9240	-10.9234	-10.9223	-10.2105	-9.8973	-9.8946
-9.8885	-9.1923	-9.1816	-9.1744	-8.9396	-8.9343	-8.9271	-8.6491
-8.6488	-8.6480	-8.5786	-8.5783	-8.5779	-8.3495	-8.3473	-8.3471
-8.1527	-8.1499	-8.1404	-8.1351	-8.1324	-8.1293	-7.9925	-7.9912
-7.9902	-7.2980	-7.2975	-7.2968	-7.2962	-7.2954	-7.2952	-7.0921
-7.0899	-7.0858	-6.9642	-6.9633	-6.9623	-6.6186	-6.6177	-6.6170
-6.0461	-6.0421	-6.0350	-5.6179	-5.6174	-5.6171	-5.4532	-5.4480
-5.4402	-5.3814	-5.3795	-5.3754	-5.3606	-5.3512	-5.3488	-5.1233
-5.1230	-5.1228	-5.1216	-5.1213	-5.1200	-4.9319	-4.9304	-4.9300
-3.5272	-3.5260	-3.5251	-3.1707	-3.1657	-3.1613	-2.8872	-1.2587
-1.2558	0.2562	0.2600	0.2646	2.0577	2.0661	2.0876	2.2058
2.3222	2.3235	2.3239	2.6035	2.6062	2.6076	2.7274	2.7308
2.7322	2.7419	2.7468	2.7509	2.8488	2.8511	2.8565	3.2879
3.2960	3.3161						

k = 0.3294-0.5705 0.0000 ( 64806 PWs) bands (ev):

-21.0749	-21.0586	-21.0527	-21.0409	-21.0260	-21.0245	-19.7873	-19.7869
-19.7589	-19.5320	-19.5309	-19.4956	-18.7391	-18.7375	-18.7161	-18.7146
-18.7056	-18.7052	-18.0387	-18.0366	-18.0018	-17.9998	-17.9847	-17.9830
-17.6387	-17.6301	-17.6284	-17.2049	-15.4436	-15.4354	-15.4280	-14.7117
-14.6938	-14.6926	-14.1668	-14.1202	-12.5895	-12.2915	-12.2885	-12.2447
-12.2378	-12.2122	-12.2076	-12.1152	-12.1063	-12.1052	-11.6984	-10.9534
-10.9530	-10.9229	-10.9218	-10.8969	-10.8955	-10.2102	-9.9142	-9.9078
-9.8585	-9.2205	-9.1673	-9.1606	-8.9515	-8.9283	-8.9214	-8.6623
-8.6615	-8.6220	-8.6131	-8.5612	-8.5609	-8.3622	-8.3415	-8.3400
-8.1769	-8.1594	-8.1408	-8.1333	-8.1179	-8.1121	-8.0257	-7.9744
-7.9733	-7.3156	-7.3136	-7.2964	-7.2959	-7.2795	-7.2784	-7.1046
-7.1014	-7.0616	-6.9895	-6.9501	-6.9499	-6.6309	-6.6306	-6.5915
-6.0616	-6.0534	-6.0095	-5.6340	-5.6335	-5.5855	-5.4563	-5.4521
-5.4447	-5.4083	-5.3716	-5.3661	-5.3541	-5.3458	-5.3385	-5.1494
-5.1478	-5.1166	-5.1154	-5.1015	-5.1012	-4.9414	-4.9400	-4.9110
-3.5353	-3.5224	-3.5210	-3.1809	-3.1618	-3.1557	-2.8874	-1.2884
-1.2261	0.2543	0.2598	0.2675	2.0483	2.0727	2.0907	2.2059
2.3218	2.3237	2.3245	2.5888	2.6135	2.6149	2.6949	2.6984
2.7277	2.7462	2.7789	2.7841	2.8344	2.8592	2.8631	3.2784
3.3026	3.3193						

k = 0.3254-0.5636 0.0000 ( 64824 PWs) bands (ev):

-21.0868	-21.0524	-21.0511	-21.0464	-21.0206	-21.0191	-19.7966	-19.7962
-19.7400	-19.5439	-19.5428	-19.4712	-18.7577	-18.7561	-18.7116	-18.7101
-18.6914	-18.6910	-18.0681	-18.0659	-17.9958	-17.9938	-17.9609	-17.9591
-17.6450	-17.6274	-17.6256	-17.2053	-15.4529	-15.4352	-15.4274	-14.7221
-14.6839	-14.6827	-14.1889	-14.0996	-12.5875	-12.3327	-12.3296	-12.2407

-12.2337	-12.1748	-12.1702	-12.1213	-12.1025	-12.1015	-11.6985	-10.9825
-10.9821	-10.9212	-10.9201	-10.8689	-10.8675	-10.2094	-9.9330	-9.9266
-9.8210	-9.2556	-9.1518	-9.1437	-8.9646	-8.9207	-8.9147	-8.6755
-8.6747	-8.6480	-8.5954	-8.5444	-8.5441	-8.3762	-8.3341	-8.3326
-8.2018	-8.1844	-8.1364	-8.1297	-8.0982	-8.0913	-8.0594	-7.9566
-7.9555	-7.3339	-7.3320	-7.2960	-7.2955	-7.2620	-7.2610	-7.1186
-7.1153	-7.0332	-7.0155	-6.9365	-6.9363	-6.6438	-6.6435	-6.5652
-6.0796	-6.0713	-5.9766	-5.6508	-5.6503	-5.5536	-5.4726	-5.4600
-5.4522	-5.4385	-5.3644	-5.3588	-5.3434	-5.3262	-5.3200	-5.1761
-5.1744	-5.1104	-5.1091	-5.0809	-5.0806	-4.9513	-4.9500	-4.8916
-3.5444	-3.5185	-3.5171	-3.1957	-3.1555	-3.1494	-2.8880	-1.3186
-1.1959	0.2522	0.2582	0.2738	2.0338	2.0811	2.0977	2.2062
2.3209	2.3248	2.3258	2.5722	2.6211	2.6226	2.6570	2.6600
2.7242	2.7428	2.8169	2.8223	2.8271	2.8682	2.8720	3.2638
3.3110	3.3263						

k = 0.3214-0.5567 0.0000 ( 64846 PWs) bands (ev):

-21.0987	-21.0612	-21.0459	-21.0399	-21.0151	-21.0136	-19.8058	-19.8054
-19.7209	-19.5556	-19.5546	-19.4466	-18.7763	-18.7747	-18.7071	-18.7056
-18.6772	-18.6768	-18.0973	-18.0951	-17.9896	-17.9876	-17.9368	-17.9350
-17.6513	-17.6249	-17.6232	-17.2058	-15.4626	-15.4373	-15.4295	-14.7324
-14.6709	-14.6697	-14.2121	-14.0790	-12.5843	-12.3738	-12.3708	-12.2366
-12.2296	-12.1372	-12.1326	-12.1273	-12.0984	-12.0973	-11.6986	-11.0114
-11.0110	-10.9196	-10.9184	-10.8407	-10.8393	-10.2080	-9.9517	-9.9454
-9.7836	-9.2914	-9.1372	-9.1274	-8.9772	-8.9130	-8.9075	-8.6886
-8.6878	-8.6826	-8.5689	-8.5281	-8.5278	-8.3901	-8.3266	-8.3250
-8.2272	-8.2098	-8.1330	-8.1266	-8.0933	-8.0774	-8.0701	-7.9382
-7.9370	-7.3526	-7.3506	-7.2956	-7.2951	-7.2445	-7.2435	-7.1325
-7.1292	-7.0423	-7.0037	-6.9227	-6.9224	-6.6566	-6.6562	-6.5387
-6.0982	-6.0898	-5.9440	-5.6680	-5.6675	-5.5219	-5.4971	-5.4714
-5.4663	-5.4608	-5.3576	-5.3522	-5.3262	-5.3037	-5.2986	-5.2027
-5.2011	-5.1040	-5.1027	-5.0603	-5.0600	-4.9613	-4.9600	-4.8723
-3.5534	-3.5151	-3.5136	-3.2105	-3.1500	-3.1439	-2.8889	-1.3491
-1.1656	0.2510	0.2572	0.2802	2.0182	2.0899	2.1059	2.2068
2.3198	2.3266	2.3277	2.5557	2.6113	2.6155	2.6358	2.6370
2.7206	2.7392	2.8006	2.8650	2.8702	2.8775	2.8812	3.2483
3.3198	3.3343						

k = 0.3175-0.5499 0.0000 ( 64838 PWs) bands (ev):

-21.1106	-21.0712	-21.0392	-21.0332	-21.0095	-21.0080	-19.8148	-19.8144
-19.7019	-19.5672	-19.5662	-19.4219	-18.7950	-18.7934	-18.7025	-18.7009
-18.6630	-18.6626	-18.1265	-18.1242	-17.9832	-17.9812	-17.9127	-17.9109
-17.6575	-17.6227	-17.6210	-17.2066	-15.4724	-15.4420	-15.4343	-14.7426
-14.6552	-14.6539	-14.2363	-14.0581	-12.5798	-12.4149	-12.4119	-12.2324
-12.2254	-12.1332	-12.0995	-12.0949	-12.0938	-12.0927	-11.6988	-11.0401
-11.0398	-10.9179	-10.9167	-10.8123	-10.8109	-10.2061	-9.9703	-9.9640
-9.7463	-9.3274	-9.1241	-9.1118	-8.9890	-8.9050	-8.8999	-8.7173
-8.7015	-8.7007	-8.5424	-8.5122	-8.5119	-8.4038	-8.3188	-8.3173
-8.2530	-8.2357	-8.1307	-8.1270	-8.1229	-8.0563	-8.0488	-7.9191
-7.9180	-7.3715	-7.3696	-7.2951	-7.2946	-7.2270	-7.2260	-7.1462
-7.1429	-7.0685	-6.9747	-6.9085	-6.9083	-6.6692	-6.6688	-6.5122
-6.1176	-6.1091	-5.9121	-5.6858	-5.6853	-5.5250	-5.4989	-5.4903
-5.4780	-5.4706	-5.3506	-5.3455	-5.3061	-5.2802	-5.2759	-5.2293
-5.2277	-5.0975	-5.0962	-5.0398	-5.0394	-4.9713	-4.9700	-4.8531
-3.5624	-3.5120	-3.5106	-3.2251	-3.1452	-3.1391	-2.8901	-1.3798
-1.1352	0.2507	0.2571	0.2866	2.0024	2.0990	2.1147	2.2076
2.3186	2.3290	2.3301	2.5392	2.5745	2.5784	2.6424	2.6439
2.7169	2.7356	2.7839	2.8867	2.8905	2.9087	2.9138	3.2326
3.3287	3.3396						

k = 0.3135-0.5430 0.0000 ( 64840 PWs) bands (ev):

-21.1222	-21.0810	-21.0324	-21.0264	-21.0037	-21.0022	-19.8238	-19.8234
-19.6827	-19.5787	-19.5776	-19.3971	-18.8137	-18.8120	-18.6977	-18.6962
-18.6488	-18.6485	-18.1555	-18.1532	-17.9768	-17.9747	-17.8884	-17.8866
-17.6637	-17.6209	-17.6191	-17.2077	-15.4821	-15.4490	-15.4414	-14.7527
-14.6368	-14.6355	-14.2615	-14.0372	-12.5743	-12.4560	-12.4530	-12.2282
-12.2212	-12.1392	-12.0888	-12.0877	-12.0617	-12.0570	-11.6991	-11.0688
-11.0684	-10.9162	-10.9150	-10.7836	-10.7823	-10.2036	-9.9888	-9.9826
-9.7093	-9.3635	-9.1129	-9.0969	-8.9994	-8.8969	-8.8921	-8.7518
-8.7144	-8.7136	-8.5160	-8.4968	-8.4965	-8.4173	-8.3109	-8.3094
-8.2793	-8.2621	-8.1612	-8.1267	-8.1205	-8.0352	-8.0275	-7.8994
-7.8982	-7.3908	-7.3888	-7.2946	-7.2942	-7.2095	-7.2085	-7.1597
-7.1564	-7.0947	-6.9456	-6.8941	-6.8938	-6.6816	-6.6812	-6.4855
-6.1375	-6.1289	-5.8811	-5.7040	-5.7035	-5.5542	-5.5276	-5.4885
-5.4810	-5.4590	-5.3434	-5.3385	-5.2851	-5.2568	-5.2559	-5.2539
-5.2521	-5.0909	-5.0896	-5.0192	-5.0189	-4.9813	-4.9801	-4.8341
-3.5713	-3.5095	-3.5080	-3.2396	-3.1412	-3.1352	-2.8918	-1.4108
-1.1045	0.2513	0.2579	0.2928	1.9866	2.1083	2.1238	2.2088
2.3174	2.3319	2.3330	2.5226	2.5359	2.5393	2.6514	2.6528
2.7131	2.7318	2.7675	2.8964	2.9001	2.9522	2.9575	3.2169
3.3253	3.3383						

k = 0.3095-0.5361 0.0000 ( 64836 PWs) bands (ev):

-21.1338	-21.0908	-21.0254	-21.0194	-20.9979	-20.9964	-19.8327	-19.8322
-19.6635	-19.5900	-19.5890	-19.3721	-18.8323	-18.8307	-18.6929	-18.6913
-18.6347	-18.6344	-18.1844	-18.1821	-17.9701	-17.9681	-17.8640	-17.8622
-17.6698	-17.6192	-17.6175	-17.2090	-15.4917	-15.4582	-15.4508	-14.7627
-14.6161	-14.6147	-14.2877	-14.0161	-12.5676	-12.4971	-12.4941	-12.2239
-12.2168	-12.1450	-12.0834	-12.0823	-12.0238	-12.0191	-11.6993	-11.0972
-11.0969	-10.9144	-10.9133	-10.7548	-10.7535	-10.2007	-10.0073	-10.0011
-9.6725	-9.3998	-9.1042	-9.0829	-9.0080	-8.8886	-8.8840	-8.7863
-8.7271	-8.7263	-8.4897	-8.4818	-8.4815	-8.4307	-8.3059	-8.3029
-8.3014	-8.2888	-8.1949	-8.1238	-8.1177	-8.0140	-8.0062	-7.8792
-7.8779	-7.4103	-7.4084	-7.2942	-7.2937	-7.1920	-7.1909	-7.1731
-7.1698	-7.1210	-6.9162	-6.8794	-6.8791	-6.6939	-6.6935	-6.4587
-6.1581	-6.1494	-5.8515	-5.7227	-5.7222	-5.5842	-5.5551	-5.4993
-5.4916	-5.4279	-5.3359	-5.3312	-5.2837	-5.2816	-5.2613	-5.2320
-5.2285	-5.0841	-5.0829	-4.9987	-4.9983	-4.9913	-4.9901	-4.8153
-3.5801	-3.5073	-3.5059	-3.2539	-3.1381	-3.1321	-2.8938	-1.4419
-1.0737	0.2529	0.2597	0.2988	1.9708	2.1178	2.1331	2.2101
2.3161	2.3354	2.3364	2.4955	2.4998	2.5081	2.6608	2.6621
2.7092	2.7280	2.7512	2.9062	2.9099	2.9959	3.0013	3.2013
3.3094	3.3477						

k = 0.3056-0.5292 0.0000 ( 64844 PWs) bands (ev):

-21.1452	-21.1004	-21.0183	-21.0123	-20.9919	-20.9904	-19.8414	-19.8410
-19.6442	-19.6012	-19.6002	-19.3470	-18.8510	-18.8494	-18.6880	-18.6864
-18.6206	-18.6202	-18.2132	-18.2108	-17.9634	-17.9614	-17.8395	-17.8376
-17.6759	-17.6179	-17.6162	-17.2105	-15.5012	-15.4694	-15.4621	-14.7725
-14.5933	-14.5917	-14.3147	-13.9949	-12.5601	-12.5379	-12.5350	-12.2195
-12.2124	-12.1508	-12.0775	-12.0764	-11.9858	-11.9811	-11.6996	-11.1255
-11.1251	-10.9127	-10.9116	-10.7258	-10.7244	-10.1972	-10.0256	-10.0195
-9.6359	-9.4360	-9.0990	-9.0695	-9.0136	-8.8802	-8.8757	-8.8206
-8.7397	-8.7389	-8.4672	-8.4670	-8.4634	-8.4439	-8.3330	-8.3160
-8.2947	-8.2932	-8.2287	-8.1209	-8.1148	-7.9927	-7.9849	-7.8584
-7.8571	-7.4301	-7.4282	-7.2936	-7.2932	-7.1863	-7.1830	-7.1745
-7.1734	-7.1472	-6.8868	-6.8644	-6.8642	-6.7061	-6.7057	-6.4319
-6.1793	-6.1705	-5.8240	-5.7418	-5.7414	-5.6145	-5.5806	-5.5103
-5.5026	-5.3970	-5.3282	-5.3237	-5.3098	-5.3081	-5.2398	-5.2075

-5.2044	-5.0772	-5.0760	-5.0014	-5.0002	-4.9782	-4.9778	-4.7967
-3.5889	-3.5057	-3.5042	-3.2681	-3.1357	-3.1298	-2.8963	-1.4733
-1.0427	0.2554	0.2624	0.3047	1.9552	2.1275	2.1427	2.2119
2.3148	2.3393	2.3404	2.4568	2.4607	2.4918	2.6705	2.6716
2.7053	2.7240	2.7352	2.9163	2.9200	3.0398	3.0453	3.1858
3.2935	3.3574						

k = 0.3016-0.5224 0.0000 ( 64832 PWs)      bands (ev):

-21.1564	-21.1099	-21.0110	-21.0050	-20.9857	-20.9843	-19.8501	-19.8497
-19.6249	-19.6123	-19.6112	-19.3217	-18.8698	-18.8682	-18.6829	-18.6814
-18.6065	-18.6062	-18.2419	-18.2394	-17.9565	-17.9545	-17.8148	-17.8130
-17.6819	-17.6169	-17.6151	-17.2123	-15.5106	-15.4822	-15.4752	-14.7823
-14.5685	-14.5668	-14.3425	-13.9736	-12.5791	-12.5762	-12.5508	-12.2150
-12.2079	-12.1566	-12.0712	-12.0702	-11.9477	-11.9430	-11.6998	-11.1536
-11.1532	-10.9109	-10.9098	-10.6965	-10.6952	-10.1932	-10.0439	-10.0378
-9.5995	-9.4723	-9.0979	-9.0568	-9.0156	-8.8715	-8.8672	-8.8549
-8.7522	-8.7514	-8.4570	-8.4531	-8.4528	-8.4374	-8.3605	-8.3435
-8.2864	-8.2848	-8.2624	-8.1181	-8.1119	-7.9715	-7.9636	-7.8371
-7.8357	-7.4502	-7.4483	-7.2931	-7.2927	-7.1994	-7.1961	-7.1734
-7.1569	-7.1559	-6.8572	-6.8492	-6.8490	-6.7181	-6.7177	-6.4049
-6.2011	-6.1922	-5.8002	-5.7614	-5.7610	-5.6450	-5.6026	-5.5214
-5.5136	-5.3663	-5.3365	-5.3348	-5.3202	-5.3159	-5.2176	-5.1829
-5.1801	-5.0702	-5.0689	-5.0115	-5.0104	-4.9577	-4.9573	-4.7783
-3.5975	-3.5044	-3.5029	-3.2820	-3.1342	-3.1283	-2.8991	-1.5049
-1.0116	0.2588	0.2660	0.3105	1.9398	2.1373	2.1524	2.2138
2.3134	2.3438	2.3448	2.4180	2.4216	2.4761	2.6801	2.6811
2.7017	2.7193	2.7201	2.9265	2.9302	3.0837	3.0894	3.1705
3.2778	3.3674						

k = 0.2976-0.5155 0.0000 ( 64828 PWs)      bands (ev):

-21.1675	-21.1193	-21.0036	-20.9976	-20.9795	-20.9780	-19.8586	-19.8582
-19.6232	-19.6221	-19.6054	-19.2963	-18.8885	-18.8869	-18.6778	-18.6763
-18.5925	-18.5922	-18.2704	-18.2679	-17.9495	-17.9474	-17.7900	-17.7882
-17.6879	-17.6161	-17.6144	-17.2143	-15.5199	-15.4965	-15.4897	-14.7919
-14.5422	-14.5403	-14.3711	-13.9522	-12.6199	-12.6170	-12.5413	-12.2104
-12.2033	-12.1623	-12.0646	-12.0635	-11.9096	-11.9048	-11.7000	-11.1815
-11.1811	-10.9092	-10.9080	-10.6671	-10.6658	-10.1888	-10.0621	-10.0560
-9.5633	-9.5085	-9.1011	-9.0448	-9.0138	-8.8891	-8.8627	-8.8586
-8.7646	-8.7638	-8.4699	-8.4394	-8.4391	-8.4114	-8.3883	-8.3715
-8.2966	-8.2776	-8.2761	-8.1153	-8.1091	-7.9503	-7.9423	-7.8152
-7.8138	-7.4705	-7.4686	-7.2926	-7.2921	-7.2123	-7.2090	-7.1996
-7.1394	-7.1384	-6.8338	-6.8335	-6.8274	-6.7300	-6.7296	-6.3779
-6.2235	-6.2145	-5.7831	-5.7815	-5.7810	-5.6757	-5.6181	-5.5326
-5.5247	-5.3631	-5.3614	-5.3359	-5.3120	-5.3078	-5.1954	-5.1583
-5.1557	-5.0630	-5.0618	-5.0216	-5.0205	-4.9372	-4.9369	-4.7601
-3.6061	-3.5036	-3.5021	-3.2958	-3.1335	-3.1277	-2.9023	-1.5367
-0.9803	0.2631	0.2705	0.3160	1.9245	2.1473	2.1623	2.2160
2.3119	2.3486	2.3496	2.3793	2.3828	2.4607	2.6881	2.6906
2.6997	2.7037	2.7162	2.9370	2.9407	3.1278	3.1336	3.1555
3.2623	3.3775						

k = 0.2936-0.5086 0.0000 ( 64836 PWs)      bands (ev):

-21.1785	-21.1286	-20.9960	-20.9901	-20.9732	-20.9717	-19.8671	-19.8667
-19.6339	-19.6329	-19.5859	-19.2708	-18.9072	-18.9056	-18.6726	-18.6711
-18.5785	-18.5782	-18.2988	-18.2963	-17.9423	-17.9402	-17.7651	-17.7632
-17.6939	-17.6156	-17.6139	-17.2166	-15.5292	-15.5120	-15.5054	-14.8015
-14.5143	-14.5122	-14.4003	-13.9307	-12.6608	-12.6578	-12.5308	-12.2058
-12.1986	-12.1679	-12.0575	-12.0564	-11.8713	-11.8666	-11.7002	-11.2092
-11.2089	-10.9074	-10.9063	-10.6375	-10.6361	-10.1838	-10.0802	-10.0741



-9.5448	-9.5274	-9.1076	-9.0334	-9.0092	-8.9232	-8.8538	-8.8497
-8.7769	-8.7761	-8.4826	-8.4261	-8.4258	-8.4165	-8.3998	-8.3856
-8.3303	-8.2689	-8.2674	-8.1125	-8.1063	-7.9291	-7.9211	-7.7929
-7.7915	-7.4911	-7.4892	-7.2921	-7.2916	-7.2258	-7.2250	-7.2217
-7.1219	-7.1209	-6.8181	-6.8178	-6.7976	-6.7417	-6.7413	-6.3507
-6.2464	-6.2374	-5.8020	-5.8016	-5.7768	-5.7063	-5.6229	-5.5439
-5.5359	-5.3898	-5.3881	-5.3056	-5.3037	-5.2995	-5.1733	-5.1336
-5.1311	-5.0557	-5.0545	-5.0317	-5.0307	-4.9168	-4.9165	-4.7420
-3.6147	-3.5032	-3.5017	-3.3094	-3.1336	-3.1278	-2.9059	-1.5687
-0.9488	0.2682	0.2759	0.3214	1.9094	2.1573	2.1722	2.2185
2.3105	2.3399	2.3426	2.3551	2.3562	2.4454	2.6881	2.6888
2.6995	2.7046	2.7136	2.9477	2.9513	3.1405	3.1719	3.1779
3.2470	3.3878						

k = 0.2897-0.5017 0.0000 ( 64852 PWs)      bands (ev):

-21.1893	-21.1377	-20.9883	-20.9824	-20.9667	-20.9652	-19.8754	-19.8750
-19.6446	-19.6435	-19.5664	-19.2452	-18.9260	-18.9244	-18.6673	-18.6657
-18.5645	-18.5642	-18.3271	-18.3245	-17.9350	-17.9329	-17.7401	-17.7382
-17.6998	-17.6154	-17.6137	-17.2191	-15.5387	-15.5284	-15.5223	-14.8109
-14.4851	-14.4829	-14.4303	-13.9090	-12.7015	-12.6986	-12.5194	-12.2011
-12.1939	-12.1735	-12.0500	-12.0490	-11.8330	-11.8282	-11.7003	-11.2367
-11.2364	-10.9056	-10.9045	-10.6077	-10.6063	-10.1784	-10.0982	-10.0921
-9.5810	-9.4917	-9.1163	-9.0227	-9.0029	-8.9572	-8.8447	-8.8408
-8.7890	-8.7882	-8.4951	-8.4451	-8.4285	-8.4132	-8.4129	-8.3640
-8.3599	-8.2600	-8.2585	-8.1097	-8.1035	-7.9080	-7.8999	-7.7702
-7.7687	-7.5120	-7.5100	-7.2915	-7.2910	-7.2520	-7.2375	-7.2342
-7.1044	-7.1034	-6.8022	-6.8019	-6.7676	-6.7533	-6.7529	-6.3235
-6.2700	-6.2608	-5.8230	-5.8225	-5.7833	-5.7371	-5.6151	-5.5551
-5.5471	-5.4164	-5.4148	-5.2951	-5.2911	-5.2755	-5.1513	-5.1088
-5.1065	-5.0483	-5.0470	-5.0419	-5.0409	-4.8964	-4.8961	-4.7241
-3.6231	-3.5033	-3.5018	-3.3229	-3.1344	-3.1287	-2.9099	-1.6010
-0.9172	0.2743	0.2822	0.3267	1.8945	2.1673	2.1820	2.2213
2.3022	2.3050	2.3090	2.3605	2.3616	2.4304	2.6729	2.6852
2.7025	2.7136	2.7172	2.9585	2.9621	3.1258	3.2158	3.2219
3.2325	3.3983						

k = 0.2857-0.4949 0.0000 ( 64842 PWs)      bands (ev):

-21.2000	-21.1467	-20.9805	-20.9745	-20.9601	-20.9586	-19.8837	-19.8833
-19.6550	-19.6540	-19.5468	-19.2194	-18.9447	-18.9431	-18.6619	-18.6603
-18.5506	-18.5503	-18.3552	-18.3527	-17.9275	-17.9255	-17.7149	-17.7130
-17.7056	-17.6155	-17.6137	-17.2219	-15.5497	-15.5444	-15.5397	-14.8202
-14.4609	-14.4548	-14.4523	-13.8873	-12.7422	-12.7393	-12.5073	-12.1963
-12.1891	-12.1790	-12.0422	-12.0411	-11.7946	-11.7897	-11.7004	-11.2641
-11.2637	-10.9038	-10.9027	-10.5777	-10.5763	-10.1725	-10.1161	-10.1101
-9.6172	-9.4562	-9.1262	-9.0125	-8.9958	-8.9911	-8.8354	-8.8317
-8.8010	-8.8002	-8.5075	-8.4741	-8.4575	-8.4008	-8.4005	-8.3977
-8.3343	-8.2510	-8.2495	-8.1069	-8.1007	-7.8868	-7.8787	-7.7471
-7.7455	-7.5330	-7.5311	-7.2909	-7.2905	-7.2781	-7.2499	-7.2466
-7.0870	-7.0859	-6.7861	-6.7858	-6.7647	-6.7644	-6.7375	-6.2962
-6.2941	-6.2848	-5.8444	-5.8440	-5.7997	-5.7678	-5.5975	-5.5663
-5.5583	-5.4431	-5.4414	-5.2863	-5.2824	-5.2457	-5.1295	-5.0840
-5.0818	-5.0520	-5.0510	-5.0407	-5.0394	-4.8761	-4.8758	-4.7064
-3.6315	-3.5037	-3.5022	-3.3361	-3.1361	-3.1304	-2.9143	-1.6334
-0.8855	0.2812	0.2893	0.3318	1.8798	2.1767	2.1910	2.2245
2.2652	2.2676	2.3074	2.3669	2.3679	2.4156	2.6579	2.6808
2.6995	2.7239	2.7265	2.9696	2.9732	3.1113	3.2164	3.2607
3.2669	3.4091						

k = 0.2817-0.4880 0.0000 ( 64834 PWs)      bands (ev):

-21.2105	-21.1557	-20.9725	-20.9665	-20.9533	-20.9519	-19.8918	-19.8914
-19.6654	-19.6643	-19.5271	-19.1934	-18.9635	-18.9619	-18.6564	-18.6549
-18.5368	-18.5365	-18.3833	-18.3806	-17.9200	-17.9179	-17.7114	-17.6896
-17.6877	-17.6158	-17.6140	-17.2250	-15.5662	-15.5598	-15.5538	-14.8294
-14.4920	-14.4236	-14.4209	-13.8654	-12.7829	-12.7800	-12.4943	-12.1914
-12.1845	-12.1842	-12.0339	-12.0329	-11.7561	-11.7512	-11.7004	-11.2912
-11.2909	-10.9021	-10.9009	-10.5475	-10.5462	-10.1662	-10.1339	-10.1279
-9.6533	-9.4210	-9.1368	-9.0248	-9.0029	-8.9884	-8.8260	-8.8224
-8.8129	-8.8121	-8.5198	-8.5034	-8.4870	-8.4315	-8.3887	-8.3884
-8.3088	-8.2418	-8.2402	-8.1041	-8.0979	-7.8657	-7.8575	-7.7235
-7.7219	-7.5543	-7.5524	-7.3044	-7.2903	-7.2897	-7.2621	-7.2588
-7.0695	-7.0684	-6.7760	-6.7756	-6.7698	-6.7695	-6.7073	-6.3189
-6.3095	-6.2686	-5.8663	-5.8658	-5.8220	-5.7984	-5.5784	-5.5738
-5.5692	-5.4697	-5.4680	-5.2774	-5.2735	-5.2161	-5.1078	-5.0622
-5.0613	-5.0591	-5.0571	-5.0330	-5.0317	-4.8558	-4.8555	-4.6889
-3.6397	-3.5046	-3.5031	-3.3492	-3.1384	-3.1328	-2.9192	-1.6660
-0.8535	0.2890	0.2973	0.3367	1.8653	2.1832	2.1955	2.2269
2.2321	2.2352	2.3058	2.3737	2.3748	2.4010	2.6431	2.6760
2.6951	2.7348	2.7370	2.9809	2.9844	3.0969	3.2018	3.3049
3.3114	3.4200						

k = 0.2778-0.4811 0.0000 ( 64838 PWs) bands (ev):

-21.2209	-21.1644	-20.9643	-20.9584	-20.9465	-20.9450	-19.8998	-19.8994
-19.6755	-19.6745	-19.5074	-19.1674	-18.9822	-18.9806	-18.6508	-18.6493
-18.5230	-18.5227	-18.4112	-18.4085	-17.9122	-17.9102	-17.7171	-17.6642
-17.6623	-17.6164	-17.6146	-17.2283	-15.5851	-15.5787	-15.5632	-14.8385
-14.5237	-14.3914	-14.3885	-13.8434	-12.8234	-12.8206	-12.4807	-12.1899
-12.1865	-12.1793	-12.0253	-12.0242	-11.7175	-11.7126	-11.7003	-11.3181
-11.3178	-10.9003	-10.8991	-10.5172	-10.5158	-10.1595	-10.1516	-10.1457
-9.6894	-9.3861	-9.1478	-9.0586	-8.9939	-8.9809	-8.8246	-8.8239
-8.8164	-8.8131	-8.5331	-8.5318	-8.5167	-8.4651	-8.3770	-8.3767
-8.2835	-8.2324	-8.2308	-8.1014	-8.0952	-7.8447	-7.8364	-7.6997
-7.6980	-7.5758	-7.5739	-7.3305	-7.2897	-7.2892	-7.2742	-7.2708
-7.0520	-7.0509	-6.7871	-6.7868	-6.7533	-6.7530	-6.6770	-6.3441
-6.3345	-6.2411	-5.8886	-5.8881	-5.8474	-5.8291	-5.5890	-5.5808
-5.5481	-5.4962	-5.4943	-5.2683	-5.2645	-5.1868	-5.0863	-5.0724
-5.0715	-5.0345	-5.0325	-5.0250	-5.0237	-4.8356	-4.8353	-4.6716
-3.6479	-3.5059	-3.5044	-3.3621	-3.1416	-3.1360	-2.9244	-1.6988
-0.8214	0.2976	0.3062	0.3415	1.8510	2.1719	2.1791	2.2131
2.2257	2.2320	2.3042	2.3811	2.3822	2.3866	2.6284	2.6710
2.6902	2.7459	2.7481	2.9924	2.9958	3.0829	3.1873	3.3491
3.3559	3.4311						

k = 0.2738-0.4743 0.0000 ( 64838 PWs) bands (ev):

-21.2311	-21.1731	-20.9560	-20.9501	-20.9395	-20.9381	-19.9078	-19.9074
-19.6856	-19.6846	-19.4876	-19.1412	-19.0009	-18.9993	-18.6452	-18.6436
-18.5093	-18.5089	-18.4389	-18.4362	-17.9044	-17.9023	-17.7228	-17.6387
-17.6367	-17.6172	-17.6155	-17.2319	-15.6048	-15.5986	-15.5720	-14.8474
-14.5559	-14.3585	-14.3554	-13.8212	-12.8640	-12.8611	-12.4663	-12.1952
-12.1815	-12.1742	-12.0163	-12.0152	-11.7001	-11.6788	-11.6739	-11.3448
-11.3445	-10.8985	-10.8974	-10.4866	-10.4853	-10.1692	-10.1633	-10.1523
-9.7255	-9.3514	-9.1590	-9.0921	-8.9854	-8.9736	-8.8362	-8.8355
-8.8066	-8.8036	-8.5631	-8.5468	-8.5437	-8.4987	-8.3658	-8.3655
-8.2583	-8.2228	-8.2213	-8.0987	-8.0924	-7.8237	-7.8154	-7.6756
-7.6738	-7.5976	-7.5957	-7.3566	-7.2891	-7.2886	-7.2861	-7.2827
-7.0345	-7.0335	-6.7981	-6.7978	-6.7367	-6.7364	-6.6467	-6.3699
-6.3601	-6.2135	-5.9114	-5.9108	-5.8746	-5.8596	-5.6002	-5.5920
-5.5275	-5.5224	-5.5141	-5.2590	-5.2552	-5.1577	-5.0826	-5.0817
-5.0651	-5.0176	-5.0163	-5.0089	-5.0073	-4.8155	-4.8152	-4.6545
-3.6561	-3.5076	-3.5061	-3.3748	-3.1455	-3.1400	-2.9301	-1.7319

-0.7892	0.3070	0.3158	0.3462	1.8368	2.1396	2.1450	2.2183
2.2328	2.2361	2.3026	2.3724	2.3889	2.3900	2.6140	2.6657
2.6852	2.7573	2.7594	3.0040	3.0074	3.0691	3.1730	3.3928
3.4001	3.4425						

k = 0.2698-0.4674 0.0000 ( 64830 PWs)      bands (ev):

-21.2412	-21.1817	-20.9476	-20.9417	-20.9324	-20.9310	-19.9156	-19.9152
-19.6955	-19.6945	-19.4678	-19.1149	-19.0197	-19.0181	-18.6394	-18.6379
-18.4956	-18.4953	-18.4666	-18.4638	-17.8964	-17.8943	-17.7284	-17.6183
-17.6166	-17.6131	-17.6111	-17.2357	-15.6250	-15.6190	-15.5805	-14.8563
-14.5885	-14.3250	-14.3216	-13.7990	-12.9044	-12.9016	-12.4514	-12.2005
-12.1765	-12.1691	-12.0069	-12.0058	-11.6998	-11.6401	-11.6351	-11.3713
-11.3710	-10.8967	-10.8956	-10.4559	-10.4545	-10.1867	-10.1808	-10.1447
-9.7614	-9.3169	-9.1703	-9.1256	-8.9774	-8.9666	-8.8477	-8.8469
-8.7968	-8.7940	-8.5934	-8.5773	-8.5554	-8.5321	-8.3549	-8.3545
-8.2333	-8.2131	-8.2116	-8.0960	-8.0897	-7.8028	-7.7944	-7.6511
-7.6494	-7.6196	-7.6177	-7.3827	-7.2978	-7.2943	-7.2884	-7.2880
-7.0171	-7.0160	-6.8090	-6.8086	-6.7198	-6.7196	-6.6163	-6.3963
-6.3861	-6.1858	-5.9345	-5.9339	-5.9027	-5.8902	-5.6114	-5.6031
-5.5500	-5.5484	-5.4900	-5.2495	-5.2458	-5.1288	-5.0929	-5.0920
-5.0440	-5.0094	-5.0081	-4.9843	-4.9826	-4.7954	-4.7951	-4.6375
-3.6641	-3.5097	-3.5082	-3.3873	-3.1501	-3.1446	-2.9362	-1.7651
-0.7568	0.3173	0.3263	0.3507	1.8229	2.1031	2.1078	2.2282
2.2405	2.2430	2.3010	2.3584	2.3972	2.3983	2.5998	2.6603
2.6799	2.7690	2.7710	3.0158	3.0189	3.0558	3.1588	3.4322
3.4403	3.4539						

k = 0.2659-0.4605 0.0000 ( 64854 PWs)      bands (ev):

-21.2511	-21.1901	-20.9390	-20.9332	-20.9252	-20.9238	-19.9233	-19.9229
-19.7052	-19.7042	-19.4479	-19.0884	-19.0384	-19.0368	-18.6336	-18.6320
-18.4941	-18.4913	-18.4820	-18.4817	-17.8882	-17.8861	-17.7340	-17.6197
-17.6180	-17.5873	-17.5853	-17.2398	-15.6458	-15.6398	-15.5888	-14.8650
-14.6215	-14.2908	-14.2873	-13.7767	-12.9448	-12.9420	-12.4358	-12.2057
-12.1713	-12.1640	-11.9972	-11.9961	-11.6993	-11.6012	-11.5962	-11.3976
-11.3973	-10.8949	-10.8938	-10.4250	-10.4237	-10.2041	-10.1983	-10.1367
-9.7974	-9.2828	-9.1817	-9.1590	-8.9699	-8.9598	-8.8591	-8.8583
-8.7868	-8.7843	-8.6241	-8.6080	-8.5670	-8.5653	-8.3443	-8.3440
-8.2085	-8.2032	-8.2017	-8.0933	-8.0870	-7.7819	-7.7734	-7.6417
-7.6398	-7.6265	-7.6247	-7.4087	-7.3093	-7.3058	-7.2878	-7.2874
-6.9997	-6.9986	-6.8197	-6.8193	-6.7029	-6.7026	-6.5860	-6.4231
-6.4124	-6.1580	-5.9581	-5.9575	-5.9314	-5.9206	-5.6227	-5.6142
-5.5764	-5.5748	-5.4611	-5.2399	-5.2362	-5.1032	-5.1025	-5.0999
-5.0232	-5.0011	-4.9998	-4.9595	-4.9579	-4.7754	-4.7750	-4.6208
-3.6720	-3.5122	-3.5107	-3.3996	-3.1553	-3.1500	-2.9427	-1.7984
-0.7242	0.3283	0.3375	0.3551	1.8091	2.0658	2.0702	2.2393
2.2453	2.2542	2.2993	2.3447	2.4059	2.4070	2.5858	2.6548
2.6744	2.7808	2.7828	3.0270	3.0296	3.0445	3.1449	3.4263
3.4281	3.4653						

k = 0.2619-0.4536 0.0000 ( 64842 PWs)      bands (ev):

-21.2609	-21.1984	-20.9303	-20.9245	-20.9178	-20.9165	-19.9309	-19.9305
-19.7149	-19.7139	-19.4279	-19.0619	-19.0571	-19.0555	-18.6276	-18.6261
-18.5215	-18.5187	-18.4684	-18.4681	-17.8800	-17.8779	-17.7395	-17.6213
-17.6196	-17.5614	-17.5594	-17.2442	-15.6669	-15.6611	-15.5970	-14.8736
-14.6550	-14.2561	-14.2524	-13.7542	-12.9851	-12.9823	-12.4196	-12.2108
-12.1661	-12.1588	-11.9871	-11.9860	-11.6987	-11.5623	-11.5573	-11.4236
-11.4233	-10.8932	-10.8920	-10.3940	-10.3926	-10.2214	-10.2156	-10.1283
-9.8333	-9.2490	-9.1929	-9.1923	-8.9628	-8.9534	-8.8702	-8.8695
-8.7770	-8.7745	-8.6550	-8.6391	-8.5984	-8.5783	-8.3342	-8.3339

-8.1932	-8.1916	-8.1838	-8.0906	-8.0843	-7.7610	-7.7525	-7.6640
-7.6621	-7.6016	-7.5998	-7.4348	-7.3206	-7.3171	-7.2872	-7.2867
-6.9822	-6.9812	-6.8302	-6.8298	-6.6859	-6.6856	-6.5560	-6.4504
-6.4388	-6.1301	-5.9821	-5.9814	-5.9605	-5.9510	-5.6339	-5.6254
-5.6028	-5.6013	-5.4319	-5.2300	-5.2265	-5.1134	-5.1126	-5.0718
-5.0026	-4.9928	-4.9915	-4.9346	-4.9331	-4.7554	-4.7551	-4.6043
-3.6799	-3.5151	-3.5136	-3.4118	-3.1613	-3.1560	-2.9496	-1.8320
-0.6914	0.3400	0.3494	0.3595	1.7956	2.0283	2.0324	2.2503
2.2510	2.2658	2.2976	2.3311	2.4151	2.4161	2.5720	2.6490
2.6688	2.7929	2.7948	3.0250	3.0408	3.0465	3.1312	3.3984
3.3993	3.4774						

k = 0.2579-0.4468 0.0000 ( 64830 PWs) bands (ev):

-21.2706	-21.2066	-20.9214	-20.9157	-20.9103	-20.9090	-19.9384	-19.9380
-19.7243	-19.7233	-19.4079	-19.0758	-19.0742	-19.0351	-18.6216	-18.6200
-18.5487	-18.5459	-18.4549	-18.4546	-17.8715	-17.8694	-17.7449	-17.6232
-17.6215	-17.5354	-17.5333	-17.2489	-15.6883	-15.6826	-15.6050	-14.8821
-14.6887	-14.2209	-14.2170	-13.7316	-13.0253	-13.0226	-12.4029	-12.2159
-12.1609	-12.1535	-11.9766	-11.9756	-11.6979	-11.5233	-11.5183	-11.4495
-11.4492	-10.8914	-10.8903	-10.3628	-10.3614	-10.2386	-10.2328	-10.1195
-9.8691	-9.2254	-9.2154	-9.2041	-8.9562	-8.9473	-8.8813	-8.8805
-8.7677	-8.7645	-8.6863	-8.6705	-8.6307	-8.5896	-8.3244	-8.3240
-8.1829	-8.1814	-8.1594	-8.0880	-8.0817	-7.7402	-7.7316	-7.6865
-7.6846	-7.5766	-7.5748	-7.4608	-7.3318	-7.3282	-7.2865	-7.2861
-6.9648	-6.9637	-6.8406	-6.8402	-6.6687	-6.6684	-6.5278	-6.4782
-6.4638	-6.1022	-6.0064	-6.0058	-5.9898	-5.9813	-5.6451	-5.6364
-5.6293	-5.6277	-5.4026	-5.2201	-5.2165	-5.1237	-5.1229	-5.0437
-4.9843	-4.9830	-4.9823	-4.9098	-4.9083	-4.7356	-4.7352	-4.5880
-3.6876	-3.5184	-3.5168	-3.4238	-3.1680	-3.1627	-2.9569	-1.8657
-0.6586	0.3524	0.3614	0.3644	1.7822	1.9907	1.9947	2.2560
2.2628	2.2776	2.2958	2.3178	2.4247	2.4257	2.5584	2.6431
2.6629	2.8052	2.8071	3.0132	3.0532	3.0578	3.1177	3.3692
3.3699	3.4895						

k = 0.2540-0.4399 0.0000 ( 64852 PWs) bands (ev):

-21.2801	-21.2146	-20.9124	-20.9069	-20.9026	-20.9014	-19.9458	-19.9454
-19.7336	-19.7327	-19.3879	-19.0945	-19.0929	-19.0083	-18.6155	-18.6139
-18.5759	-18.5730	-18.4415	-18.4412	-17.8630	-17.8609	-17.7503	-17.6253
-17.6236	-17.5092	-17.5072	-17.2538	-15.7099	-15.7044	-15.6129	-14.8905
-14.7228	-14.1853	-14.1812	-13.7089	-13.0655	-13.0627	-12.3857	-12.2209
-12.1556	-12.1481	-11.9658	-11.9648	-11.6970	-11.4843	-11.4792	-11.4750
-11.4747	-10.8897	-10.8885	-10.3314	-10.3300	-10.2556	-10.2499	-10.1104
-9.9048	-9.2584	-9.2153	-9.1821	-8.9500	-8.9415	-8.8922	-8.8914
-8.7597	-8.7541	-8.7178	-8.7022	-8.6616	-8.6006	-8.3149	-8.3146
-8.1726	-8.1710	-8.1351	-8.0854	-8.0790	-7.7196	-7.7108	-7.7092
-7.7073	-7.5514	-7.5496	-7.4868	-7.3427	-7.3391	-7.2859	-7.2854
-6.9474	-6.9464	-6.8508	-6.8505	-6.6514	-6.6511	-6.5131	-6.5062
-6.4759	-6.0741	-6.0312	-6.0305	-6.0192	-6.0115	-5.6563	-5.6557
-5.6542	-5.6475	-5.3732	-5.2099	-5.2064	-5.1340	-5.1332	-5.0160
-4.9757	-4.9744	-4.9622	-4.8850	-4.8836	-4.7158	-4.7155	-4.5719
-3.6953	-3.5220	-3.5205	-3.4356	-3.1753	-3.1701	-2.9647	-1.8996
-0.6255	0.3648	0.3680	0.3760	1.7691	1.9533	1.9572	2.2619
2.2750	2.2896	2.2941	2.3048	2.4346	2.4357	2.5450	2.6370
2.6569	2.8177	2.8196	3.0006	3.0659	3.0701	3.1044	3.3398
3.3404	3.5018						

k = 0.2500-0.4330 0.0000 ( 64834 PWs) bands (ev):

-21.2894	-21.2226	-20.9032	-20.8980	-20.8947	-20.8937	-19.9531	-19.9527
-19.7428	-19.7418	-19.3678	-19.1131	-19.1115	-18.9813	-18.6093	-18.6077

-18.6029	-18.5999	-18.4282	-18.4279	-17.8543	-17.8522	-17.7556	-17.6277
-17.6259	-17.4830	-17.4809	-17.2590	-15.7318	-15.7264	-15.6207	-14.8987
-14.7573	-14.1494	-14.1451	-13.6861	-13.1056	-13.1028	-12.3680	-12.2258
-12.1502	-12.1427	-11.9547	-11.9537	-11.6959	-11.5004	-11.5001	-11.4451
-11.4400	-10.8880	-10.8868	-10.2999	-10.2985	-10.2726	-10.2669	-10.1008
-9.9405	-9.2913	-9.2263	-9.1492	-8.9442	-8.9361	-8.9029	-8.9022
-8.7555	-8.7504	-8.7427	-8.7340	-8.6886	-8.6115	-8.3058	-8.3054
-8.1620	-8.1605	-8.1110	-8.0828	-8.0764	-7.7320	-7.7301	-7.6989
-7.6901	-7.5261	-7.5243	-7.5127	-7.3535	-7.3498	-7.2852	-7.2847
-6.9301	-6.9290	-6.8609	-6.8606	-6.6341	-6.6338	-6.5356	-6.5309
-6.4551	-6.0563	-6.0556	-6.0487	-6.0460	-6.0416	-5.6821	-5.6806
-5.6674	-5.6585	-5.3440	-5.1996	-5.1961	-5.1444	-5.1436	-4.9884
-4.9670	-4.9657	-4.9424	-4.8603	-4.8589	-4.6961	-4.6958	-4.5560
-3.7028	-3.5260	-3.5245	-3.4472	-3.1832	-3.1781	-2.9729	-1.9337
-0.5923	0.3707	0.3800	0.3900	1.7561	1.9160	1.9198	2.2681
2.2873	2.2912	2.2923	2.3030	2.4450	2.4460	2.5319	2.6308
2.6508	2.8303	2.8322	2.9880	3.0788	3.0827	3.0915	3.3105
3.3111	3.5144						

k = 0.2460-0.4261 0.0000 ( 64858 PWs) bands (ev):

-21.2986	-21.2304	-20.8940	-20.8892	-20.8866	-20.8857	-19.9603	-19.9599
-19.7519	-19.7509	-19.3476	-19.1318	-19.1302	-18.9542	-18.6297	-18.6268
-18.6030	-18.6014	-18.4150	-18.4147	-17.8455	-17.8433	-17.7608	-17.6303
-17.6285	-17.4566	-17.4545	-17.2645	-15.7539	-15.7485	-15.6284	-14.9069
-14.7920	-14.1131	-14.1086	-13.6631	-13.1456	-13.1429	-12.3499	-12.2307
-12.1448	-12.1373	-11.9433	-11.9422	-11.6946	-11.5255	-11.5252	-11.4059
-11.4007	-10.8863	-10.8851	-10.2894	-10.2838	-10.2682	-10.2668	-10.0910
-9.9761	-9.3241	-9.2372	-9.1165	-8.9388	-8.9310	-8.9135	-8.9127
-8.7820	-8.7664	-8.7624	-8.7322	-8.7044	-8.6222	-8.2970	-8.2966
-8.1513	-8.1498	-8.0871	-8.0802	-8.0738	-7.7551	-7.7532	-7.6784
-7.6694	-7.5386	-7.5008	-7.4989	-7.3641	-7.3602	-7.2846	-7.2841
-6.9127	-6.9116	-6.8709	-6.8705	-6.6167	-6.6164	-6.5647	-6.5581
-6.4258	-6.0819	-6.0811	-6.0782	-6.0716	-6.0178	-5.7085	-5.7069
-5.6786	-5.6695	-5.3149	-5.1891	-5.1857	-5.1547	-5.1540	-4.9611
-4.9581	-4.9569	-4.9228	-4.8356	-4.8342	-4.6765	-4.6762	-4.5403
-3.7103	-3.5304	-3.5289	-3.4586	-3.1917	-3.1867	-2.9816	-1.9679
-0.5589	0.3746	0.3945	0.4048	1.7433	1.8788	1.8825	2.2748
2.2785	2.2905	2.3002	2.3153	2.4557	2.4568	2.5189	2.6243
2.6444	2.8432	2.8451	2.9755	3.0781	3.0920	3.0962	3.2814
3.2819	3.5271						

k = 0.2421-0.4193 0.0000 ( 64846 PWs) bands (ev):

-21.3077	-21.2381	-20.8846	-20.8806	-20.8783	-20.8772	-19.9673	-19.9669
-19.7608	-19.7598	-19.3274	-19.1504	-19.1488	-18.9270	-18.6565	-18.6535
-18.5966	-18.5951	-18.4018	-18.4015	-17.8365	-17.8344	-17.7660	-17.6331
-17.6314	-17.4301	-17.4280	-17.2703	-15.7761	-15.7708	-15.6359	-14.9149
-14.8269	-14.0765	-14.0719	-13.6401	-13.1855	-13.1828	-12.3312	-12.2355
-12.1393	-12.1317	-11.9315	-11.9304	-11.6931	-11.5503	-11.5500	-11.3666
-11.3614	-10.8846	-10.8834	-10.3061	-10.3005	-10.2363	-10.2349	-10.0807
-10.0117	-9.3568	-9.2479	-9.0842	-8.9337	-8.9262	-8.9239	-8.9231
-8.8143	-8.7989	-8.7844	-8.7211	-8.7050	-8.6327	-8.2885	-8.2882
-8.1404	-8.1389	-8.0777	-8.0712	-8.0633	-7.7782	-7.7764	-7.6580
-7.6488	-7.5645	-7.4754	-7.4735	-7.3744	-7.3705	-7.2839	-7.2834
-6.8953	-6.8942	-6.8807	-6.8803	-6.5992	-6.5989	-6.5943	-6.5870
-6.3951	-6.1078	-6.1077	-6.1070	-6.1016	-5.9895	-5.7348	-5.7333
-5.6898	-5.6805	-5.2860	-5.1785	-5.1751	-5.1652	-5.1644	-4.9492
-4.9479	-4.9342	-4.9034	-4.8109	-4.8096	-4.6570	-4.6567	-4.5248
-3.7177	-3.5352	-3.5336	-3.4699	-3.2009	-3.1959	-2.9906	-2.0023
-0.5254	0.3782	0.4097	0.4202	1.7308	1.8419	1.8455	2.2660
2.2818	2.2888	2.3131	2.3281	2.4669	2.4680	2.5062	2.6177

2.6379	2.8563	2.8582	2.9631	3.0655	3.1053	3.1094	3.2524
3.2529	3.5399						

k = 0.2381-0.4124 0.0000 ( 64854 PWs)      bands (ev):

-21.3166	-21.2457	-20.8750	-20.8723	-20.8700	-20.8680	-19.9743	-19.9739
-19.7695	-19.7685	-19.3072	-19.1690	-19.1674	-18.8996	-18.6831	-18.6801
-18.5902	-18.5886	-18.3888	-18.3885	-17.8274	-17.8252	-17.7711	-17.6362
-17.6344	-17.4035	-17.4014	-17.2763	-15.7984	-15.7932	-15.6434	-14.9228
-14.8621	-14.0396	-14.0348	-13.6169	-13.2253	-13.2227	-12.3122	-12.2402
-12.1338	-12.1262	-11.9194	-11.9184	-11.6913	-11.5749	-11.5746	-11.3273
-11.3220	-10.8829	-10.8818	-10.3227	-10.3172	-10.2043	-10.2029	-10.0702
-10.0471	-9.3893	-9.2585	-9.0523	-8.9342	-8.9334	-8.9289	-8.9217
-8.8470	-8.8317	-8.8136	-8.7097	-8.6982	-8.6431	-8.2803	-8.2800
-8.1294	-8.1279	-8.0752	-8.0687	-8.0399	-7.8015	-7.7997	-7.6377
-7.6284	-7.5904	-7.4499	-7.4481	-7.3845	-7.3804	-7.2832	-7.2827
-6.8903	-6.8899	-6.8780	-6.8769	-6.6244	-6.6166	-6.5817	-6.5813
-6.3640	-6.1372	-6.1340	-6.1332	-6.1314	-5.9612	-5.7611	-5.7595
-5.7010	-5.6915	-5.2573	-5.1756	-5.1748	-5.1677	-5.1643	-4.9401
-4.9388	-4.9075	-4.8843	-4.7864	-4.7851	-4.6376	-4.6373	-4.5095
-3.7249	-3.5403	-3.5387	-3.4809	-3.2106	-3.2056	-3.0001	-2.0368
-0.4917	0.3817	0.4255	0.4363	1.7184	1.8051	1.8086	2.2536
2.2870	2.2892	2.3262	2.3412	2.4784	2.4795	2.4936	2.6109
2.6312	2.8696	2.8715	2.9510	3.0531	3.1189	3.1229	3.2235
3.2240	3.5530						

k = 0.2341-0.4055 0.0000 ( 64854 PWs)      bands (ev):

-21.3254	-21.2531	-20.8655	-20.8640	-20.8616	-20.8585	-19.9812	-19.9807
-19.7781	-19.7771	-19.2869	-19.1875	-19.1860	-18.8721	-18.7096	-18.7065
-18.5836	-18.5821	-18.3758	-18.3755	-17.8182	-17.8160	-17.7762	-17.6394
-17.6377	-17.3768	-17.3746	-17.2826	-15.8209	-15.8157	-15.6507	-14.9305
-14.8975	-14.0025	-13.9975	-13.5936	-13.2651	-13.2625	-12.2928	-12.2449
-12.1282	-12.1205	-11.9070	-11.9060	-11.6894	-11.5992	-11.5989	-11.2878
-11.2825	-10.8813	-10.8802	-10.3392	-10.3337	-10.1722	-10.1708	-10.0826
-10.0593	-9.4217	-9.2690	-9.0207	-8.9442	-8.9435	-8.9245	-8.9175
-8.8798	-8.8647	-8.8452	-8.6982	-8.6889	-8.6532	-8.2725	-8.2721
-8.1182	-8.1167	-8.0727	-8.0662	-8.0167	-7.8249	-7.8231	-7.6177
-7.6162	-7.6080	-7.4245	-7.4226	-7.3944	-7.3901	-7.2826	-7.2821
-6.8998	-6.8994	-6.8607	-6.8596	-6.6548	-6.6469	-6.5641	-6.5638
-6.3326	-6.1666	-6.1612	-6.1606	-6.1598	-5.9328	-5.7873	-5.7858
-5.7122	-5.7024	-5.2289	-5.1860	-5.1853	-5.1567	-5.1533	-4.9309
-4.9296	-4.8811	-4.8655	-4.7619	-4.7606	-4.6184	-4.6181	-4.4945
-3.7321	-3.5457	-3.5441	-3.4918	-3.2208	-3.2160	-3.0100	-2.0715
-0.4579	0.3851	0.4419	0.4530	1.7062	1.7685	1.7720	2.2415
2.2852	2.2970	2.3395	2.3545	2.4813	2.4903	2.4914	2.6040
2.6243	2.8831	2.8849	2.9390	3.0408	3.1326	3.1366	3.1949
3.1954	3.5663						

k = 0.2302-0.3987 0.0000 ( 64836 PWs)      bands (ev):

-21.3340	-21.2604	-20.8561	-20.8555	-20.8530	-20.8487	-19.9879	-19.9875
-19.7866	-19.7856	-19.2666	-19.2061	-19.2045	-18.8445	-18.7359	-18.7328
-18.5770	-18.5754	-18.3629	-18.3627	-17.8088	-17.8066	-17.7812	-17.6429
-17.6412	-17.3499	-17.3478	-17.2892	-15.8434	-15.8383	-15.6578	-14.9384
-14.9329	-13.9652	-13.9601	-13.5702	-13.3048	-13.3021	-12.2729	-12.2495
-12.1225	-12.1149	-11.8943	-11.8933	-11.6872	-11.6232	-11.6230	-11.2483
-11.2430	-10.8797	-10.8786	-10.3555	-10.3500	-10.1399	-10.1385	-10.1179
-10.0481	-9.4540	-9.2792	-8.9895	-8.9541	-8.9534	-8.9205	-8.9145
-8.9121	-8.8978	-8.8776	-8.6865	-8.6787	-8.6628	-8.2649	-8.2645
-8.1068	-8.1053	-8.0702	-8.0637	-7.9937	-7.8485	-7.8466	-7.6420
-7.5978	-7.5879	-7.4039	-7.3995	-7.3989	-7.3972	-7.2819	-7.2814

-6.9091	-6.9088	-6.8434	-6.8423	-6.6857	-6.6776	-6.5465	-6.5462
-6.3011	-6.1960	-6.1908	-6.1875	-6.1867	-5.9043	-5.8135	-5.8120
-5.7234	-5.7133	-5.2007	-5.1965	-5.1958	-5.1455	-5.1422	-4.9215
-4.9203	-4.8550	-4.8469	-4.7374	-4.7362	-4.5992	-4.5989	-4.4796
-3.7392	-3.5515	-3.5499	-3.5025	-3.2316	-3.2268	-3.0204	-2.1063
-0.4239	0.3884	0.4590	0.4703	1.6942	1.7322	1.7356	2.2295
2.2834	2.3052	2.3530	2.3679	2.4692	2.5026	2.5036	2.5968
2.6172	2.8967	2.8986	2.9272	3.0287	3.1466	3.1506	3.1665
3.1669	3.5798						

k = 0.2262-0.3918 0.0000 ( 64824 PWs) bands (ev):

-21.3425	-21.2676	-20.8473	-20.8465	-20.8438	-20.8387	-19.9945	-19.9941
-19.7949	-19.7939	-19.2462	-19.2246	-19.2230	-18.8167	-18.7622	-18.7590
-18.5703	-18.5687	-18.3502	-18.3499	-17.7993	-17.7971	-17.7861	-17.6467
-17.6449	-17.3230	-17.3208	-17.2960	-15.8659	-15.8609	-15.6649	-14.9689
-14.9456	-13.9277	-13.9224	-13.5467	-13.3443	-13.3417	-12.2540	-12.2528
-12.1168	-12.1091	-11.8814	-11.8803	-11.6848	-11.6470	-11.6467	-11.2088
-11.2034	-10.8782	-10.8770	-10.3717	-10.3663	-10.1531	-10.1075	-10.1061
-10.0366	-9.4862	-9.2894	-8.9639	-8.9631	-8.9595	-8.9459	-8.9317
-8.9169	-8.9118	-8.9076	-8.6757	-8.6735	-8.6655	-8.2576	-8.2572
-8.0953	-8.0938	-8.0677	-8.0612	-7.9709	-7.8721	-7.8703	-7.6677
-7.5784	-7.5680	-7.4131	-7.4082	-7.3737	-7.3719	-7.2812	-7.2807
-6.9183	-6.9179	-6.8261	-6.8250	-6.7170	-6.7087	-6.5290	-6.5286
-6.2695	-6.2253	-6.2203	-6.2148	-6.2139	-5.8758	-5.8396	-5.8381
-5.7347	-5.7242	-5.2071	-5.2063	-5.1729	-5.1342	-5.1309	-4.9121
-4.9108	-4.8293	-4.8286	-4.7131	-4.7119	-4.5802	-4.5799	-4.4650
-3.7462	-3.5576	-3.5560	-3.5130	-3.2429	-3.2382	-3.0312	-2.1413
-0.3898	0.3915	0.4766	0.4881	1.6824	1.6962	1.6995	2.2177
2.2816	2.3137	2.3667	2.3816	2.4574	2.5151	2.5162	2.5895
2.6100	2.9103	2.9124	2.9160	3.0169	3.1383	3.1387	3.1608
3.1647	3.5934						

k = 0.2222-0.3849 0.0000 ( 64820 PWs) bands (ev):

-21.3508	-21.2747	-20.8387	-20.8376	-20.8341	-20.8286	-20.0010	-20.0006
-19.8031	-19.8021	-19.2431	-19.2415	-19.2258	-18.7890	-18.7881	-18.7850
-18.5635	-18.5619	-18.3375	-18.3373	-17.7909	-17.7896	-17.7874	-17.6506
-17.6489	-17.3031	-17.2959	-17.2937	-15.8885	-15.8836	-15.6718	-15.0048
-14.9530	-13.8900	-13.8845	-13.5230	-13.3838	-13.3812	-12.2585	-12.2322
-12.1111	-12.1034	-11.8681	-11.8671	-11.6822	-11.6704	-11.6702	-11.1691
-11.1637	-10.8766	-10.8755	-10.3877	-10.3824	-10.1883	-10.0749	-10.0735
-10.0247	-9.5182	-9.2993	-8.9803	-8.9734	-8.9727	-8.9656	-8.9445
-8.9285	-8.9114	-8.9060	-8.6836	-8.6622	-8.6548	-8.2505	-8.2502
-8.0836	-8.0821	-8.0653	-8.0588	-7.9484	-7.8958	-7.8940	-7.6934
-7.5594	-7.5485	-7.4217	-7.4163	-7.3484	-7.3466	-7.2806	-7.2801
-6.9273	-6.9270	-6.8089	-6.8078	-6.7487	-6.7403	-6.5114	-6.5111
-6.2546	-6.2498	-6.2425	-6.2415	-6.2376	-5.8657	-5.8641	-5.8472
-5.7460	-5.7349	-5.2176	-5.2169	-5.1454	-5.1227	-5.1194	-4.9025
-4.9012	-4.8106	-4.8038	-4.6889	-4.6877	-4.5613	-4.5610	-4.4506
-3.7530	-3.5640	-3.5624	-3.5234	-3.2547	-3.2500	-3.0423	-2.1764
-0.3555	0.3946	0.4947	0.5064	1.6602	1.6635	1.6711	2.2062
2.2797	2.3227	2.3806	2.3953	2.4458	2.5280	2.5291	2.5820
2.6025	2.9040	2.9248	2.9266	3.0052	3.1103	3.1108	3.1752
3.1791	3.6072						

k = 0.2183-0.3780 0.0000 ( 64820 PWs) bands (ev):

-21.3590	-21.2817	-20.8301	-20.8288	-20.8239	-20.8183	-20.0075	-20.0070
-19.8111	-19.8101	-19.2615	-19.2600	-19.2054	-18.8142	-18.8110	-18.7608
-18.5566	-18.5551	-18.3250	-18.3247	-17.7957	-17.7798	-17.7776	-17.6548
-17.6530	-17.3105	-17.2687	-17.2665	-15.9111	-15.9063	-15.6786	-15.0409

-14.9603	-13.8522	-13.8465	-13.4993	-13.4232	-13.4206	-12.2629	-12.2113
-12.1054	-12.0976	-11.8546	-11.8536	-11.6938	-11.6934	-11.6791	-11.1294
-11.1239	-10.8752	-10.8740	-10.4037	-10.3984	-10.2234	-10.0422	-10.0408
-10.0126	-9.5501	-9.3092	-9.0140	-8.9994	-8.9828	-8.9821	-8.9776
-8.9111	-8.9034	-8.8950	-8.6930	-8.6499	-8.6431	-8.2438	-8.2434
-8.0717	-8.0702	-8.0629	-8.0563	-7.9262	-7.9196	-7.9178	-7.7191
-7.5413	-7.5297	-7.4295	-7.4235	-7.3232	-7.3214	-7.2799	-7.2794
-6.9362	-6.9358	-6.7917	-6.7906	-6.7807	-6.7722	-6.4940	-6.4936
-6.2838	-6.2791	-6.2704	-6.2694	-6.2060	-5.8917	-5.8902	-5.8186
-5.7573	-5.7456	-5.2283	-5.2275	-5.1185	-5.1109	-5.1076	-4.8928
-4.8916	-4.7929	-4.7787	-4.6647	-4.6636	-4.5425	-4.5422	-4.4364
-3.7598	-3.5708	-3.5692	-3.5335	-3.2670	-3.2623	-3.0540	-2.2117
-0.3210	0.3975	0.5133	0.5253	1.6246	1.6279	1.6596	2.1948
2.2779	2.3321	2.3947	2.4089	2.4349	2.5412	2.5422	2.5743
2.5949	2.8929	2.9390	2.9409	2.9938	3.0826	3.0831	3.1898
3.1937	3.6213						

k = 0.2143-0.3712 0.0000 ( 64816 PWs) bands (ev):

-21.3670	-21.2885	-20.8213	-20.8200	-20.8135	-20.8079	-20.0138	-20.0133
-19.8190	-19.8180	-19.2799	-19.2784	-19.1849	-18.8400	-18.8367	-18.7327
-18.5497	-18.5481	-18.3125	-18.3123	-17.8004	-17.7699	-17.7677	-17.6591
-17.6574	-17.3182	-17.2415	-17.2392	-15.9337	-15.9289	-15.6853	-15.0771
-14.9674	-13.8142	-13.8084	-13.4754	-13.4625	-13.4600	-12.2672	-12.1901
-12.0996	-12.0917	-11.8408	-11.8398	-11.7167	-11.7164	-11.6760	-11.0896
-11.0841	-10.8738	-10.8726	-10.4195	-10.4142	-10.2584	-10.0094	-10.0080
-10.0002	-9.5819	-9.3188	-9.0481	-9.0336	-9.0109	-8.9920	-8.9913
-8.9070	-8.9002	-8.8664	-8.7022	-8.6374	-8.6309	-8.2373	-8.2369
-8.0606	-8.0597	-8.0582	-8.0540	-7.9436	-7.9418	-7.9040	-7.7447
-7.5247	-7.5123	-7.4359	-7.4292	-7.2981	-7.2964	-7.2792	-7.2787
-6.9449	-6.9446	-6.8131	-6.8046	-6.7745	-6.7734	-6.4765	-6.4762
-6.3128	-6.3083	-6.2986	-6.2976	-6.1743	-5.9176	-5.9161	-5.7903
-5.7686	-5.7558	-5.2389	-5.2382	-5.0999	-5.0969	-5.0896	-4.8830
-4.8817	-4.7754	-4.7539	-4.6407	-4.6397	-4.5238	-4.5235	-4.4224
-3.7665	-3.5778	-3.5762	-3.5435	-3.2797	-3.2751	-3.0660	-2.2470
-0.2864	0.4003	0.5324	0.5446	1.5893	1.5926	1.6484	2.1837
2.2761	2.3419	2.4088	2.4184	2.4286	2.5547	2.5557	2.5664
2.5871	2.8819	2.9534	2.9553	2.9827	3.0552	3.0556	3.2045
3.2085	3.6355						

k = 0.2103-0.3643 0.0000 ( 64826 PWs) bands (ev):

-21.3749	-21.2952	-20.8124	-20.8110	-20.8030	-20.7973	-20.0200	-20.0195
-19.8267	-19.8258	-19.2983	-19.2967	-19.1644	-18.8657	-18.8624	-18.7044
-18.5427	-18.5411	-18.3002	-18.3000	-17.8050	-17.7598	-17.7576	-17.6637
-17.6620	-17.3262	-17.2141	-17.2118	-15.9563	-15.9516	-15.6918	-15.1134
-14.9745	-13.7761	-13.7702	-13.5017	-13.4992	-13.4514	-12.2714	-12.1686
-12.0937	-12.0859	-11.8268	-11.8258	-11.7393	-11.7390	-11.6725	-11.0498
-11.0442	-10.8724	-10.8712	-10.4351	-10.4299	-10.2934	-9.9875	-9.9764
-9.9750	-9.6135	-9.3283	-9.0823	-9.0679	-9.0443	-9.0010	-9.0003
-8.9039	-8.8974	-8.8372	-8.7114	-8.6247	-8.6185	-8.2310	-8.2307
-8.0583	-8.0516	-8.0475	-8.0460	-7.9676	-7.9657	-7.8823	-7.7703
-7.5107	-7.4978	-7.4393	-7.4320	-7.2785	-7.2780	-7.2732	-7.2715
-6.9535	-6.9531	-6.8458	-6.8373	-6.7573	-6.7562	-6.4591	-6.4588
-6.3418	-6.3374	-6.3271	-6.3261	-6.1426	-5.9435	-5.9420	-5.7800
-5.7698	-5.7579	-5.2496	-5.2489	-5.0877	-5.0846	-5.0636	-4.8731
-4.8718	-4.7582	-4.7294	-4.6168	-4.6158	-4.5053	-4.5050	-4.4087
-3.7730	-3.5852	-3.5836	-3.5533	-3.2929	-3.2883	-3.0785	-2.2825
-0.2516	0.4030	0.5520	0.5644	1.5543	1.5575	1.6374	2.1727
2.2743	2.3520	2.4101	2.4239	2.4397	2.5583	2.5684	2.5695
2.5790	2.8711	2.9665	2.9698	2.9735	3.0280	3.0284	3.2195
3.2235	3.6498						



k = 0.2063-0.3574 0.0000 ( 64820 PWs) bands (ev):

-21.3827	-21.3018	-20.8035	-20.8020	-20.7922	-20.7865	-20.0260	-20.0256
-19.8343	-19.8334	-19.3167	-19.3151	-19.1438	-18.8913	-18.8879	-18.6760
-18.5355	-18.5340	-18.2881	-18.2878	-17.8095	-17.7496	-17.7474	-17.6685
-17.6668	-17.3344	-17.1866	-17.1843	-15.9789	-15.9743	-15.6983	-15.1498
-14.9813	-13.7380	-13.7318	-13.5408	-13.5383	-13.4273	-12.2756	-12.1468
-12.0879	-12.0799	-11.8125	-11.8115	-11.7616	-11.7613	-11.6688	-11.0099
-11.0043	-10.8711	-10.8699	-10.4506	-10.4454	-10.3282	-9.9745	-9.9433
-9.9419	-9.6450	-9.3376	-9.1167	-9.1025	-9.0777	-9.0098	-9.0091
-8.9012	-8.8948	-8.8082	-8.7204	-8.6118	-8.6058	-8.2250	-8.2246
-8.0559	-8.0493	-8.0352	-8.0337	-7.9916	-7.9898	-7.8609	-7.7958
-7.5013	-7.4892	-7.4366	-7.4302	-7.2778	-7.2774	-7.2484	-7.2468
-6.9619	-6.9615	-6.8789	-6.8703	-6.7402	-6.7391	-6.4418	-6.4415
-6.3707	-6.3663	-6.3560	-6.3550	-6.1110	-5.9694	-5.9678	-5.7914
-5.7779	-5.7312	-5.2603	-5.2596	-5.0756	-5.0725	-5.0373	-4.8631
-4.8618	-4.7413	-4.7052	-4.5931	-4.5921	-4.4870	-4.4867	-4.3952
-3.7795	-3.5928	-3.5912	-3.5629	-3.3064	-3.3019	-3.0914	-2.3181
-0.2167	0.4057	0.5720	0.5847	1.5196	1.5227	1.6267	2.1620
2.2724	2.3626	2.3998	2.4384	2.4539	2.5500	2.5708	2.5825
2.5835	2.8605	2.9600	2.9834	2.9849	3.0012	3.0016	3.2348
3.2387	3.6643						

k = 0.2024-0.3505 0.0000 ( 64812 PWs) bands (ev):

-21.3902	-21.3083	-20.7944	-20.7929	-20.7813	-20.7756	-20.0320	-20.0316
-19.8418	-19.8409	-19.3350	-19.3334	-19.1233	-18.9167	-18.9133	-18.6475
-18.5284	-18.5268	-18.2760	-18.2757	-17.8140	-17.7393	-17.7370	-17.6734
-17.6717	-17.3429	-17.1590	-17.1567	-16.0015	-15.9969	-15.7046	-15.1863
-14.9881	-13.6997	-13.6934	-13.5798	-13.5773	-13.4031	-12.2797	-12.1247
-12.0820	-12.0740	-11.7980	-11.7970	-11.7836	-11.7833	-11.6648	-10.9699
-10.9643	-10.8698	-10.8686	-10.4660	-10.4608	-10.3630	-9.9613	-9.9100
-9.9086	-9.6763	-9.3467	-9.1513	-9.1372	-9.1111	-9.0184	-9.0177
-8.8987	-8.8924	-8.7796	-8.7293	-8.5988	-8.5929	-8.2193	-8.2189
-8.0537	-8.0470	-8.0227	-8.0212	-8.0157	-8.0139	-7.8397	-7.8213
-7.4977	-7.4881	-7.4264	-7.4224	-7.2772	-7.2767	-7.2239	-7.2223
-6.9702	-6.9698	-6.9123	-6.9037	-6.7231	-6.7220	-6.4246	-6.4242
-6.3995	-6.3952	-6.3851	-6.3841	-6.0797	-5.9951	-5.9936	-5.8029
-5.7876	-5.7025	-5.2711	-5.2704	-5.0634	-5.0602	-5.0112	-4.8529
-4.8516	-4.7246	-4.6813	-4.5695	-4.5685	-4.4687	-4.4684	-4.3818
-3.7858	-3.6008	-3.5992	-3.5723	-3.3204	-3.3160	-3.1047	-2.3539
-0.1816	0.4082	0.5924	0.6053	1.4851	1.4882	1.6161	2.1514
2.2706	2.3736	2.3893	2.4531	2.4686	2.5416	2.5624	2.5968
2.5978	2.8501	2.9496	2.9743	2.9747	2.9986	3.0003	3.2502
3.2541	3.6790						

k = 0.1984-0.3437 0.0000 ( 64802 PWs) bands (ev):

-21.3977	-21.3146	-20.7852	-20.7837	-20.7703	-20.7645	-20.0379	-20.0374
-19.8491	-19.8482	-19.3532	-19.3516	-19.1026	-18.9420	-18.9386	-18.6188
-18.5211	-18.5195	-18.2640	-18.2638	-17.8184	-17.7288	-17.7266	-17.6786
-17.6769	-17.3517	-17.1312	-17.1289	-16.0240	-16.0195	-15.7108	-15.2230
-14.9948	-13.6615	-13.6549	-13.6186	-13.6162	-13.3787	-12.2837	-12.1023
-12.0761	-12.0680	-11.8053	-11.8051	-11.7833	-11.7822	-11.6604	-10.9299
-10.9242	-10.8686	-10.8674	-10.4812	-10.4761	-10.3977	-9.9478	-9.8767
-9.8753	-9.7075	-9.3556	-9.1861	-9.1721	-9.1445	-9.0268	-9.0260
-8.8963	-8.8902	-8.7513	-8.7380	-8.5855	-8.5798	-8.2137	-8.2133
-8.0514	-8.0447	-8.0398	-8.0380	-8.0100	-8.0085	-7.8468	-7.8187
-7.4990	-7.4919	-7.4114	-7.4092	-7.2765	-7.2760	-7.1995	-7.1979
-6.9783	-6.9779	-6.9460	-6.9373	-6.7060	-6.7049	-6.4281	-6.4239
-6.4146	-6.4136	-6.4074	-6.4070	-6.0489	-6.0208	-6.0192	-5.8144

-5.7970	-5.6736	-5.2820	-5.2812	-5.0510	-5.0479	-4.9856	-4.8426
-4.8414	-4.7083	-4.6579	-4.5461	-4.5452	-4.4506	-4.4504	-4.3688
-3.7920	-3.6090	-3.6074	-3.5816	-3.3347	-3.3303	-3.1184	-2.3897
-0.1464	0.4106	0.6133	0.6264	1.4510	1.4541	1.6057	2.1411
2.2688	2.3789	2.3850	2.4680	2.4835	2.5332	2.5538	2.6114
2.6124	2.8399	2.9392	2.9480	2.9484	3.0138	3.0155	3.2658
3.2697	3.6941						

k = 0.1944-0.3368 0.0000 ( 64806 PWs) bands (ev):

-21.4050	-21.3209	-20.7758	-20.7744	-20.7591	-20.7533	-20.0436	-20.0432
-19.8563	-19.8553	-19.3714	-19.3699	-19.0820	-18.9672	-18.9637	-18.5900
-18.5137	-18.5122	-18.2523	-18.2520	-17.8227	-17.7182	-17.7159	-17.6839
-17.6822	-17.3607	-17.1034	-17.1011	-16.0465	-16.0420	-15.7168	-15.2596
-15.0013	-13.6576	-13.6552	-13.6226	-13.6163	-13.3543	-12.2876	-12.0797
-12.0701	-12.0621	-11.8267	-11.8265	-11.7683	-11.7673	-11.6558	-10.8898
-10.8841	-10.8675	-10.8663	-10.4962	-10.4911	-10.4322	-9.9340	-9.8432
-9.8418	-9.7385	-9.3644	-9.2210	-9.2071	-9.1780	-9.0349	-9.0342
-8.8942	-8.8882	-8.7465	-8.7234	-8.5721	-8.5665	-8.2084	-8.2080
-8.0639	-8.0621	-8.0492	-8.0425	-7.9972	-7.9957	-7.8723	-7.7981
-7.5032	-7.4978	-7.3948	-7.3925	-7.2759	-7.2754	-7.1753	-7.1738
-6.9863	-6.9859	-6.9799	-6.9713	-6.6889	-6.6878	-6.4567	-6.4525
-6.4443	-6.4432	-6.3905	-6.3901	-6.0464	-6.0448	-6.0188	-5.8259
-5.8056	-5.6446	-5.2929	-5.2921	-5.0384	-5.0353	-4.9602	-4.8322
-4.8310	-4.6922	-4.6348	-4.5229	-4.5220	-4.4327	-4.4325	-4.3560
-3.7982	-3.6175	-3.6159	-3.5906	-3.3494	-3.3451	-3.1325	-2.4257
-0.1110	0.4130	0.6344	0.6478	1.4173	1.4202	1.5955	2.1310
2.2670	2.3687	2.3967	2.4830	2.4983	2.5249	2.5451	2.6262
2.6272	2.8299	2.9220	2.9224	2.9290	3.0292	3.0309	3.2816
3.2855	3.7077						

k = 0.1905-0.3299 0.0000 ( 64806 PWs) bands (ev):

-21.4122	-21.3270	-20.7664	-20.7649	-20.7477	-20.7420	-20.0492	-20.0488
-19.8633	-19.8624	-19.3896	-19.3880	-19.0614	-18.9922	-18.9887	-18.5611
-18.5063	-18.5048	-18.2406	-18.2404	-17.8270	-17.7075	-17.7052	-17.6894
-17.6877	-17.3701	-17.0755	-17.0732	-16.0690	-16.0645	-15.7228	-15.2964
-15.0076	-13.6962	-13.6938	-13.5843	-13.5776	-13.3297	-12.2915	-12.0643
-12.0572	-12.0556	-11.8478	-11.8475	-11.7532	-11.7522	-11.6509	-10.8664
-10.8653	-10.8497	-10.8439	-10.5112	-10.5061	-10.4666	-9.9200	-9.8096
-9.8082	-9.7694	-9.3730	-9.2560	-9.2423	-9.2113	-9.0429	-9.0422
-8.8922	-8.8863	-8.7548	-8.6959	-8.5585	-8.5529	-8.2032	-8.2028
-8.0881	-8.0863	-8.0471	-8.0403	-7.9842	-7.9827	-7.8976	-7.7778
-7.5089	-7.5047	-7.3771	-7.3741	-7.2752	-7.2747	-7.1514	-7.1500
-7.0144	-7.0058	-6.9939	-6.9935	-6.6719	-6.6708	-6.4851	-6.4809
-6.4742	-6.4731	-6.3736	-6.3732	-6.0719	-6.0704	-5.9901	-5.8375
-5.8127	-5.6156	-5.3038	-5.3030	-5.0257	-5.0227	-4.9352	-4.8217
-4.8205	-4.6765	-4.6121	-4.4999	-4.4990	-4.4150	-4.4147	-4.3434
-3.8042	-3.6263	-3.6246	-3.5995	-3.3645	-3.3602	-3.1470	-2.4618
-0.0755	0.4153	0.6560	0.6696	1.3838	1.3868	1.5856	2.1210
2.2652	2.3586	2.4089	2.4971	2.5107	2.5198	2.5366	2.6413
2.6423	2.8201	2.8963	2.8967	2.9190	3.0449	3.0466	3.2976
3.3016	3.7148						

k = 0.1865-0.3230 0.0000 ( 64798 PWs) bands (ev):

-21.4192	-21.3329	-20.7569	-20.7554	-20.7362	-20.7305	-20.0547	-20.0543
-19.8702	-19.8692	-19.4077	-19.4062	-19.0407	-19.0171	-19.0136	-18.5321
-18.4988	-18.4973	-18.2291	-18.2289	-17.8312	-17.6966	-17.6951	-17.6943
-17.6934	-17.3796	-17.0475	-17.0452	-16.0914	-16.0870	-15.7286	-15.3332
-15.0139	-13.7347	-13.7324	-13.5458	-13.5390	-13.3050	-12.2953	-12.0583
-12.0501	-12.0335	-11.8685	-11.8683	-11.7379	-11.7368	-11.6457	-10.8654

-10.8643	-10.8095	-10.8036	-10.5263	-10.5210	-10.5004	-9.9058	-9.8002
-9.7759	-9.7744	-9.3815	-9.2912	-9.2777	-9.2447	-9.0507	-9.0499
-8.8903	-8.8845	-8.7630	-8.6688	-8.5447	-8.5392	-8.1983	-8.1979
-8.1123	-8.1105	-8.0449	-8.0382	-7.9711	-7.9696	-7.9229	-7.7577
-7.5155	-7.5118	-7.3588	-7.3551	-7.2746	-7.2741	-7.1277	-7.1264
-7.0490	-7.0403	-7.0016	-7.0012	-6.6549	-6.6538	-6.5134	-6.5093
-6.5044	-6.5033	-6.3569	-6.3565	-6.0974	-6.0958	-5.9639	-5.8492
-5.8173	-5.5865	-5.3148	-5.3140	-5.0129	-5.0098	-4.9106	-4.8111
-4.8099	-4.6610	-4.5897	-4.4771	-4.4762	-4.3973	-4.3971	-4.3310
-3.8101	-3.6353	-3.6336	-3.6082	-3.3798	-3.3756	-3.1620	-2.4979
-0.0398	0.4175	0.6779	0.6917	1.3507	1.3536	1.5758	2.1113
2.2634	2.3488	2.4214	2.5015	2.5155	2.5265	2.5332	2.6565
2.6575	2.8105	2.8709	2.8713	2.9092	3.0608	3.0625	3.3139
3.3178	3.7079						

k = 0.1825-0.3162 0.0000 ( 64790 PWs) bands (ev):

-21.4260	-21.3388	-20.7472	-20.7457	-20.7246	-20.7189	-20.0601	-20.0597
-19.8769	-19.8760	-19.4258	-19.4242	-19.0418	-19.0383	-19.0200	-18.5029
-18.4913	-18.4897	-18.2178	-18.2175	-17.8353	-17.7009	-17.6992	-17.6855
-17.6832	-17.3895	-17.0194	-17.0170	-16.1137	-16.1094	-15.7343	-15.3700
-15.0200	-13.7732	-13.7708	-13.5073	-13.5003	-13.2802	-12.2990	-12.0523
-12.0441	-12.0101	-11.8889	-11.8887	-11.7223	-11.7213	-11.6402	-10.8645
-10.8634	-10.7693	-10.7633	-10.5432	-10.5367	-10.5312	-9.8913	-9.8308
-9.7420	-9.7406	-9.3897	-9.3266	-9.3131	-9.2780	-9.0582	-9.0574
-8.8886	-8.8829	-8.7710	-8.6422	-8.5307	-8.5253	-8.1936	-8.1932
-8.1365	-8.1347	-8.0428	-8.0361	-7.9578	-7.9563	-7.9482	-7.7380
-7.5224	-7.5192	-7.3400	-7.3358	-7.2739	-7.2735	-7.1044	-7.1032
-7.0838	-7.0751	-7.0090	-7.0087	-6.6380	-6.6369	-6.5416	-6.5374
-6.5349	-6.5338	-6.3403	-6.3399	-6.1228	-6.1212	-5.9422	-5.8609
-5.8174	-5.5573	-5.3258	-5.3251	-4.9999	-4.9969	-4.8864	-4.8004
-4.7992	-4.6458	-4.5677	-4.4545	-4.4536	-4.3799	-4.3796	-4.3189
-3.8159	-3.6445	-3.6429	-3.6167	-3.3955	-3.3913	-3.1773	-2.5342
-0.0040	0.4196	0.7000	0.7141	1.3180	1.3208	1.5662	2.1018
2.2617	2.3391	2.4344	2.4939	2.5149	2.5334	2.5472	2.6720
2.6730	2.8011	2.8459	2.8463	2.8996	3.0769	3.0786	3.3303
3.3342	3.6990						

k = 0.1786-0.3093 0.0000 ( 64764 PWs) bands (ev):

-21.4327	-21.3445	-20.7374	-20.7359	-20.7128	-20.7071	-20.0654	-20.0650
-19.8835	-19.8826	-19.4438	-19.4423	-19.0665	-19.0629	-18.9993	-18.4836
-18.4820	-18.4736	-18.2066	-18.2063	-17.8393	-17.7070	-17.7053	-17.6744
-17.6721	-17.3996	-16.9912	-16.9888	-16.1360	-16.1317	-15.7399	-15.4069
-15.0260	-13.8115	-13.8092	-13.4688	-13.4616	-13.2553	-12.3027	-12.0464
-12.0381	-11.9865	-11.9090	-11.9088	-11.7067	-11.7056	-11.6343	-10.8637
-10.8626	-10.7290	-10.7230	-10.5720	-10.5532	-10.5489	-9.8766	-9.8612
-9.7081	-9.7067	-9.3978	-9.3620	-9.3487	-9.3113	-9.0655	-9.0647
-8.8871	-8.8814	-8.7788	-8.6160	-8.5165	-8.5112	-8.1890	-8.1886
-8.1606	-8.1589	-8.0408	-8.0340	-7.9734	-7.9443	-7.9428	-7.7186
-7.5295	-7.5265	-7.3210	-7.3163	-7.2733	-7.2728	-7.1190	-7.1103
-7.0812	-7.0801	-7.0164	-7.0160	-6.6211	-6.6200	-6.5696	-6.5656
-6.5654	-6.5645	-6.3239	-6.3235	-6.1481	-6.1465	-5.9277	-5.8727
-5.8102	-5.5281	-5.3369	-5.3361	-4.9868	-4.9837	-4.8626	-4.7896
-4.7883	-4.6309	-4.5461	-4.4322	-4.4314	-4.3625	-4.3623	-4.3070
-3.8216	-3.6540	-3.6524	-3.6251	-3.4115	-3.4073	-3.1930	-2.5706
0.0320	0.4216	0.7225	0.7367	1.2856	1.2885	1.5569	2.0925
2.2599	2.3297	2.4476	2.4848	2.5061	2.5484	2.5630	2.6877
2.6887	2.7919	2.8212	2.8216	2.8902	3.0931	3.0949	3.3469
3.3509	3.6900						

k = 0.1746-0.3024 0.0000 ( 64760 PWs) bands (ev):

-21.4393	-21.3501	-20.7275	-20.7260	-20.7009	-20.6952	-20.0706	-20.0702
-19.8899	-19.8890	-19.4618	-19.4602	-19.0910	-19.0873	-18.9785	-18.4759
-18.4743	-18.4442	-18.1955	-18.1953	-17.8432	-17.7132	-17.7115	-17.6631
-17.6607	-17.4100	-16.9629	-16.9605	-16.1582	-16.1540	-15.7453	-15.4438
-15.0319	-13.8497	-13.8474	-13.4302	-13.4229	-13.2303	-12.3062	-12.0404
-12.0321	-11.9626	-11.9287	-11.9285	-11.6908	-11.6898	-11.6281	-10.8630
-10.8619	-10.6887	-10.6826	-10.6054	-10.5678	-10.5633	-9.8914	-9.8616
-9.6741	-9.6726	-9.4059	-9.3974	-9.3843	-9.3446	-9.0725	-9.0718
-8.8856	-8.8800	-8.7865	-8.5902	-8.5022	-8.4970	-8.1849	-8.1846
-8.1843	-8.1829	-8.0387	-8.0319	-7.9985	-7.9307	-7.9292	-7.6995
-7.5366	-7.5338	-7.3018	-7.2969	-7.2727	-7.2722	-7.1543	-7.1456
-7.0585	-7.0575	-7.0235	-7.0232	-6.6043	-6.6033	-6.5974	-6.5965
-6.5954	-6.5932	-6.3077	-6.3072	-6.1733	-6.1718	-5.9218	-5.8845
-5.7945	-5.4988	-5.3481	-5.3473	-4.9735	-4.9705	-4.8391	-4.7786
-4.7774	-4.6163	-4.5248	-4.4102	-4.4094	-4.3453	-4.3451	-4.2954
-3.8271	-3.6638	-3.6621	-3.6332	-3.4277	-3.4236	-3.2092	-2.6070
0.0681	0.4235	0.7452	0.7597	1.2537	1.2565	1.5477	2.0833
2.2582	2.3205	2.4606	2.4758	2.4964	2.5644	2.5791	2.7035
2.7045	2.7830	2.7968	2.7972	2.8810	3.1096	3.1113	3.3638
3.3677	3.6809						

k = 0.1706-0.2956 0.0000 ( 64764 PWs) bands (ev):

-21.4457	-21.3556	-20.7175	-20.7160	-20.6888	-20.6831	-20.0757	-20.0753
-19.8962	-19.8953	-19.4797	-19.4782	-19.1153	-19.1116	-18.9578	-18.4681
-18.4665	-18.4147	-18.1846	-18.1844	-17.8471	-17.7195	-17.7178	-17.6517
-17.6493	-17.4207	-16.9346	-16.9321	-16.1803	-16.1761	-15.7507	-15.4807
-15.0376	-13.8878	-13.8855	-13.3917	-13.3842	-13.2052	-12.3097	-12.0345
-12.0261	-11.9481	-11.9479	-11.9385	-11.6748	-11.6738	-11.6216	-10.8624
-10.8612	-10.6485	-10.6424	-10.6388	-10.5818	-10.5774	-9.9215	-9.8465
-9.6399	-9.6385	-9.4333	-9.4205	-9.4130	-9.3778	-9.0793	-9.0786
-8.8843	-8.8787	-8.7940	-8.5649	-8.4877	-8.4825	-8.2088	-8.2071
-8.1805	-8.1801	-8.0368	-8.0299	-8.0236	-7.9169	-7.9154	-7.6808
-7.5437	-7.5411	-7.2825	-7.2774	-7.2721	-7.2716	-7.1900	-7.1812
-7.0361	-7.0353	-7.0305	-7.0301	-6.6278	-6.6266	-6.6253	-6.6210
-6.5873	-6.5862	-6.2916	-6.2912	-6.1984	-6.1969	-5.9229	-5.8964
-5.7717	-5.4695	-5.3593	-5.3585	-4.9600	-4.9571	-4.8161	-4.7676
-4.7663	-4.6020	-4.5040	-4.3885	-4.3877	-4.3282	-4.3281	-4.2840
-3.8326	-3.6737	-3.6721	-3.6412	-3.4443	-3.4402	-3.2257	-2.6435
0.1044	0.4254	0.7682	0.7829	1.2221	1.2249	1.5388	2.0744
2.2565	2.3114	2.4628	2.4775	2.4864	2.5807	2.5955	2.7195
2.7205	2.7728	2.7732	2.7742	2.8720	3.1263	3.1280	3.3808
3.3848	3.6721						

k = 0.1667-0.2887 0.0000 ( 64766 PWs) bands (ev):

-21.4520	-21.3609	-20.7074	-20.7059	-20.6765	-20.6709	-20.0806	-20.0802
-19.9024	-19.9015	-19.4976	-19.4960	-19.1395	-19.1358	-18.9370	-18.4603
-18.4587	-18.3850	-18.1739	-18.1737	-17.8508	-17.7260	-17.7243	-17.6401
-17.6377	-17.4316	-16.9061	-16.9036	-16.2024	-16.1982	-15.7559	-15.5177
-15.0433	-13.9257	-13.9235	-13.3532	-13.3455	-13.1799	-12.3131	-12.0286
-12.0202	-11.9672	-11.9669	-11.9142	-11.6587	-11.6577	-11.6148	-10.8619
-10.8607	-10.6733	-10.6080	-10.6021	-10.5951	-10.5910	-9.9515	-9.8311
-9.6056	-9.6042	-9.4690	-9.4562	-9.4210	-9.4107	-9.0859	-9.0851
-8.8830	-8.8776	-8.8013	-8.5401	-8.4730	-8.4679	-8.2329	-8.2311
-8.1765	-8.1760	-8.0487	-8.0348	-8.0279	-7.9030	-7.9015	-7.6623
-7.5508	-7.5482	-7.2715	-7.2710	-7.2633	-7.2579	-7.2257	-7.2170
-7.0374	-7.0370	-7.0140	-7.0134	-6.6592	-6.6580	-6.6528	-6.6484
-6.5705	-6.5694	-6.2758	-6.2754	-6.2235	-6.2220	-5.9283	-5.9084
-5.7445	-5.4401	-5.3706	-5.3698	-4.9465	-4.9435	-4.7934	-4.7564
-4.7552	-4.5880	-4.4835	-4.3671	-4.3664	-4.3112	-4.3111	-4.2728

-3.8379	-3.6840	-3.6823	-3.6490	-3.4610	-3.4570	-3.2426	-2.6802
0.1408	0.4272	0.7914	0.8063	1.1910	1.1937	1.5300	2.0657
2.2548	2.3026	2.4533	2.4757	2.4915	2.5973	2.6121	2.7356
2.7366	2.7493	2.7496	2.7657	2.8633	3.1432	3.1449	3.3981
3.4020	3.6631						

k = 0.1627-0.2818 0.0000 ( 64782 PWs)      bands (ev):

-21.4581	-21.3662	-20.6972	-20.6957	-20.6642	-20.6585	-20.0855	-20.0850
-19.9084	-19.9075	-19.5154	-19.5139	-19.1636	-19.1599	-18.9162	-18.4524
-18.4508	-18.3552	-18.1634	-18.1632	-17.8545	-17.7327	-17.7310	-17.6284
-17.6260	-17.4427	-16.8776	-16.8750	-16.2244	-16.2202	-15.7610	-15.5547
-15.0488	-13.9635	-13.9613	-13.3147	-13.3068	-13.1545	-12.3165	-12.0227
-12.0142	-11.9858	-11.9856	-11.8897	-11.6425	-11.6415	-11.6076	-10.8615
-10.8603	-10.7072	-10.6092	-10.6048	-10.5672	-10.5609	-9.9813	-9.8155
-9.5713	-9.5698	-9.5048	-9.4921	-9.4445	-9.4278	-9.0922	-9.0914
-8.8819	-8.8765	-8.8085	-8.5157	-8.4581	-8.4531	-8.2569	-8.2551
-8.1726	-8.1722	-8.0737	-8.0329	-8.0260	-7.8889	-7.8874	-7.6443
-7.5578	-7.5553	-7.2709	-7.2704	-7.2622	-7.2535	-7.2435	-7.2381
-7.0441	-7.0437	-6.9924	-6.9920	-6.6908	-6.6896	-6.6802	-6.6756
-6.5537	-6.5526	-6.2602	-6.2598	-6.2485	-6.2469	-5.9362	-5.9204
-5.7148	-5.4107	-5.3820	-5.3812	-4.9327	-4.9298	-4.7712	-4.7452
-4.7439	-4.5743	-4.4634	-4.3462	-4.3455	-4.2943	-4.2942	-4.2619
-3.8431	-3.6944	-3.6927	-3.6566	-3.4780	-3.4740	-3.2599	-2.7169
0.1774	0.4289	0.8149	0.8300	1.1603	1.1629	1.5215	2.0572
2.2531	2.2940	2.4428	2.4652	2.5062	2.6141	2.6288	2.7260
2.7264	2.7520	2.7530	2.7574	2.8547	3.1602	3.1620	3.4155
3.4195	3.6243						

k = 0.1587-0.2749 0.0000 ( 64760 PWs)      bands (ev):

-21.4641	-21.3713	-20.6868	-20.6853	-20.6516	-20.6460	-20.0902	-20.0898
-19.9143	-19.9134	-19.5332	-19.5316	-19.1876	-19.1838	-18.8954	-18.4444
-18.4428	-18.3253	-18.1531	-18.1528	-17.8581	-17.7395	-17.7378	-17.6165
-17.6141	-17.4542	-16.8489	-16.8464	-16.2463	-16.2422	-15.7659	-15.5916
-15.0541	-14.0012	-13.9990	-13.2762	-13.2682	-13.1290	-12.3197	-12.0169
-12.0083	-12.0041	-12.0039	-11.8650	-11.6261	-11.6251	-11.6002	-10.8612
-10.8600	-10.7410	-10.6225	-10.6181	-10.5268	-10.5203	-10.0109	-9.7997
-9.5406	-9.5368	-9.5354	-9.5281	-9.4775	-9.4351	-9.0982	-9.0975
-8.8809	-8.8755	-8.8154	-8.4918	-8.4431	-8.4381	-8.2808	-8.2791
-8.1689	-8.1685	-8.0986	-8.0310	-8.0241	-7.8747	-7.8732	-7.6265
-7.5647	-7.5622	-7.2984	-7.2896	-7.2703	-7.2698	-7.2244	-7.2188
-7.0506	-7.0502	-6.9713	-6.9711	-6.7227	-6.7215	-6.7073	-6.7025
-6.5370	-6.5359	-6.2734	-6.2718	-6.2448	-6.2444	-5.9457	-5.9326
-5.6835	-5.3934	-5.3926	-5.3813	-4.9189	-4.9159	-4.7494	-4.7338
-4.7326	-4.5609	-4.4437	-4.3257	-4.3251	-4.2774	-4.2774	-4.2512
-3.8482	-3.7050	-3.7033	-3.6640	-3.4952	-3.4912	-3.2775	-2.7536
0.2141	0.4306	0.8385	0.8538	1.1300	1.1326	1.5131	2.0489
2.2515	2.2856	2.4319	2.4543	2.5216	2.6311	2.6457	2.7032
2.7035	2.7494	2.7684	2.7695	2.8463	3.1775	3.1792	3.4332
3.4371	3.5779						

k = 0.1548-0.2681 0.0000 ( 64754 PWs)      bands (ev):

-21.4699	-21.3762	-20.6764	-20.6749	-20.6390	-20.6334	-20.0948	-20.0944
-19.9200	-19.9191	-19.5509	-19.5493	-19.2114	-19.2076	-18.8746	-18.4363
-18.4347	-18.2952	-18.1429	-18.1427	-17.8617	-17.7464	-17.7447	-17.6046
-17.6022	-17.4659	-16.8202	-16.8177	-16.2681	-16.2640	-15.7708	-15.6286
-15.0593	-14.0387	-14.0366	-13.2379	-13.2297	-13.1034	-12.3229	-12.0221
-12.0218	-12.0111	-12.0025	-11.8401	-11.6097	-11.6087	-11.5923	-10.8610
-10.8599	-10.7747	-10.6355	-10.6312	-10.4862	-10.4797	-10.0403	-9.7837
-9.5765	-9.5641	-9.5105	-9.5023	-9.5008	-9.4421	-9.1040	-9.1032

-8.8799	-8.8746	-8.8222	-8.4683	-8.4279	-8.4229	-8.3047	-8.3029
-8.1654	-8.1650	-8.1234	-8.0292	-8.0223	-7.8603	-7.8588	-7.6091
-7.5714	-7.5690	-7.3349	-7.3260	-7.2697	-7.2692	-7.2052	-7.1995
-7.0569	-7.0566	-6.9510	-6.9504	-6.7548	-6.7535	-6.7341	-6.7290
-6.5203	-6.5192	-6.2982	-6.2966	-6.2296	-6.2292	-5.9560	-5.9448
-5.6514	-5.4049	-5.4041	-5.3519	-4.9049	-4.9019	-4.7281	-4.7224
-4.7211	-4.5478	-4.4244	-4.3058	-4.3052	-4.2605	-4.2605	-4.2408
-3.8532	-3.7158	-3.7142	-3.6713	-3.5126	-3.5087	-3.2955	-2.7905
0.2510	0.4322	0.8623	0.8778	1.1002	1.1028	1.5050	2.0408
2.2499	2.2774	2.4208	2.4432	2.5373	2.6482	2.6624	2.6810
2.6812	2.7417	2.7850	2.7861	2.8381	3.1950	3.1967	3.4511
3.4550	3.5316						

k = 0.1508-0.2612 0.0000 ( 64762 PWs) bands (ev):

-21.4756	-21.3811	-20.6658	-20.6643	-20.6262	-20.6206	-20.0993	-20.0989
-19.9256	-19.9247	-19.5685	-19.5670	-19.2351	-19.2312	-18.8538	-18.4282
-18.4266	-18.2651	-18.1329	-18.1327	-17.8651	-17.7535	-17.7518	-17.5925
-17.5900	-17.4778	-16.7915	-16.7889	-16.2898	-16.2858	-15.7755	-15.6656
-15.0644	-14.0761	-14.0740	-13.1995	-13.1912	-13.0777	-12.3260	-12.0396
-12.0394	-12.0054	-11.9966	-11.8150	-11.5931	-11.5921	-11.5842	-10.8610
-10.8599	-10.8084	-10.6483	-10.6441	-10.4457	-10.4390	-10.0696	-9.7675
-9.6124	-9.6002	-9.5435	-9.4676	-9.4662	-9.4489	-9.1094	-9.1087
-8.8790	-8.8738	-8.8288	-8.4454	-8.4125	-8.4076	-8.3284	-8.3267
-8.1621	-8.1616	-8.1482	-8.0274	-8.0204	-7.8457	-7.8442	-7.5921
-7.5781	-7.5756	-7.3716	-7.3627	-7.2691	-7.2686	-7.1860	-7.1802
-7.0631	-7.0628	-6.9316	-6.9304	-6.7870	-6.7858	-6.7605	-6.7549
-6.5037	-6.5026	-6.3228	-6.3213	-6.2147	-6.2143	-5.9670	-5.9571
-5.6185	-5.4165	-5.4156	-5.3224	-4.8907	-4.8878	-4.7108	-4.7096
-4.7071	-4.5351	-4.4055	-4.2864	-4.2859	-4.2436	-4.2435	-4.2306
-3.8581	-3.7268	-3.7252	-3.6783	-3.5302	-3.5263	-3.3139	-2.8274
0.2880	0.4337	0.8862	0.9020	1.0708	1.0734	1.4970	2.0329
2.2483	2.2694	2.4094	2.4318	2.5535	2.6581	2.6585	2.6666
2.6801	2.7345	2.8017	2.8027	2.8302	3.2127	3.2144	3.4691
3.4730	3.4853						

k = 0.1468-0.2543 0.0000 ( 64766 PWs) bands (ev):

-21.4811	-21.3858	-20.6551	-20.6536	-20.6132	-20.6076	-20.1037	-20.1033
-19.9310	-19.9301	-19.5861	-19.5845	-19.2586	-19.2547	-18.8330	-18.4200
-18.4184	-18.2348	-18.1231	-18.1229	-17.8685	-17.7607	-17.7590	-17.5802
-17.5778	-17.4900	-16.7626	-16.7600	-16.3114	-16.3074	-15.7801	-15.7025
-15.0694	-14.1134	-14.1113	-13.1613	-13.1528	-13.0519	-12.3291	-12.0568
-12.0566	-11.9997	-11.9909	-11.7897	-11.5765	-11.5759	-11.5752	-10.8611
-10.8600	-10.8420	-10.6608	-10.6567	-10.4050	-10.3983	-10.0986	-9.7511
-9.6483	-9.6363	-9.5765	-9.4554	-9.4329	-9.4314	-9.1146	-9.1139
-8.8782	-8.8731	-8.8352	-8.4230	-8.3969	-8.3920	-8.3521	-8.3503
-8.1731	-8.1587	-8.1583	-8.0256	-8.0187	-7.8310	-7.8295	-7.5847
-7.5822	-7.5754	-7.4084	-7.3995	-7.2686	-7.2681	-7.1668	-7.1610
-7.0692	-7.0688	-6.9137	-6.9114	-6.8195	-6.8182	-6.7861	-6.7797
-6.4870	-6.4859	-6.3475	-6.3459	-6.2001	-6.1996	-5.9784	-5.9694
-5.5852	-5.4281	-5.4272	-5.2929	-4.8764	-4.8735	-4.6992	-4.6979
-4.6866	-4.5226	-4.3871	-4.2677	-4.2673	-4.2267	-4.2265	-4.2207
-3.8628	-3.7380	-3.7364	-3.6852	-3.5479	-3.5441	-3.3327	-2.8644
0.3252	0.4352	0.9103	0.9263	1.0420	1.0445	1.4893	2.0252
2.2467	2.2616	2.3977	2.4201	2.5701	2.6369	2.6373	2.6834
2.6962	2.7284	2.8185	2.8195	2.8224	3.2305	3.2322	3.4391
3.4874	3.4913						

k = 0.1429-0.2474 0.0000 ( 64722 PWs) bands (ev):

-21.4865	-21.3904	-20.6443	-20.6428	-20.6001	-20.5945	-20.1080	-20.1075
----------	----------	----------	----------	----------	----------	----------	----------

-19.9363	-19.9354	-19.6036	-19.6021	-19.2820	-19.2781	-18.8122	-18.4118
-18.4102	-18.2044	-18.1135	-18.1133	-17.8718	-17.7680	-17.7664	-17.5678
-17.5654	-17.5024	-16.7337	-16.7311	-16.3329	-16.3290	-15.7845	-15.7395
-15.0742	-14.1505	-14.1484	-13.1232	-13.1145	-13.0260	-12.3320	-12.0736
-12.0734	-11.9941	-11.9852	-11.7642	-11.5669	-11.5598	-11.5588	-10.8755
-10.8614	-10.8602	-10.6731	-10.6690	-10.3644	-10.3575	-10.1275	-9.7345
-9.6842	-9.6723	-9.6094	-9.4618	-9.3981	-9.3966	-9.1196	-9.1188
-8.8775	-8.8725	-8.8415	-8.4011	-8.3812	-8.3763	-8.3756	-8.3739
-8.1978	-8.1556	-8.1552	-8.0239	-8.0169	-7.8161	-7.8146	-7.5913
-7.5887	-7.5591	-7.4454	-7.4364	-7.2680	-7.2675	-7.1478	-7.1418
-7.0751	-7.0747	-6.8984	-6.8943	-6.8521	-6.8508	-6.8100	-6.8020
-6.4705	-6.4694	-6.3720	-6.3704	-6.1857	-6.1852	-5.9902	-5.9819
-5.5516	-5.4398	-5.4389	-5.2634	-4.8620	-4.8591	-4.6874	-4.6862
-4.6666	-4.5105	-4.3691	-4.2497	-4.2494	-4.2110	-4.2095	-4.2093
-3.8674	-3.7494	-3.7478	-3.6919	-3.5658	-3.5620	-3.3518	-2.9014
0.3625	0.4366	0.9345	0.9507	1.0136	1.0162	1.4817	2.0177
2.2451	2.2540	2.3858	2.4083	2.5871	2.6159	2.6163	2.7005
2.7087	2.7271	2.8149	2.8354	2.8364	3.2486	3.2503	3.3930
3.5058	3.5097						

k = 0.1389-0.2406 0.0000 ( 64732 PWs) bands (ev):

-21.4918	-21.3949	-20.6334	-20.6319	-20.5869	-20.5813	-20.1121	-20.1117
-19.9414	-19.9405	-19.6211	-19.6195	-19.3053	-19.3014	-18.7914	-18.4035
-18.4019	-18.1739	-18.1041	-18.1039	-17.8750	-17.7755	-17.7738	-17.5553
-17.5528	-17.5151	-16.7048	-16.7021	-16.3543	-16.3504	-15.7889	-15.7764
-15.0790	-14.1874	-14.1854	-13.0852	-13.0763	-12.9999	-12.3349	-12.0900
-12.0898	-11.9886	-11.9796	-11.7386	-11.5577	-11.5431	-11.5421	-10.9089
-10.8618	-10.8606	-10.6851	-10.6811	-10.3237	-10.3166	-10.1563	-9.7201
-9.7178	-9.7084	-9.6423	-9.4680	-9.3632	-9.3617	-9.1242	-9.1234
-8.8769	-8.8719	-8.8475	-8.3990	-8.3973	-8.3797	-8.3652	-8.3604
-8.2224	-8.1527	-8.1522	-8.0222	-8.0153	-7.8011	-7.7996	-7.5979
-7.5952	-7.5432	-7.4824	-7.4734	-7.2675	-7.2670	-7.1288	-7.1229
-7.0808	-7.0804	-6.8894	-6.8849	-6.8836	-6.8826	-6.8286	-6.8183
-6.4539	-6.4528	-6.3964	-6.3948	-6.1715	-6.1711	-6.0022	-5.9945
-5.5177	-5.4515	-5.4507	-5.2339	-4.8474	-4.8445	-4.6756	-4.6743
-4.6470	-4.4986	-4.3515	-4.2324	-4.2322	-4.2016	-4.1923	-4.1920
-3.8720	-3.7610	-3.7593	-3.6984	-3.5839	-3.5801	-3.3712	-2.9385
0.3999	0.4379	0.9588	0.9751	0.9859	0.9883	1.4744	2.0105
2.2436	2.2466	2.3736	2.3961	2.5952	2.5955	2.6046	2.7062
2.7205	2.7384	2.8076	2.8524	2.8534	3.2668	3.2685	3.3470
3.5245	3.5284						

k = 0.1349-0.2337 0.0000 ( 64734 PWs) bands (ev):

-21.4969	-21.3992	-20.6224	-20.6209	-20.5735	-20.5679	-20.1161	-20.1157
-19.9464	-19.9455	-19.6385	-19.6369	-19.3284	-19.3245	-18.7706	-18.3951
-18.3935	-18.1432	-18.0949	-18.0947	-17.8781	-17.7831	-17.7814	-17.5427
-17.5402	-17.5280	-16.6758	-16.6730	-16.3757	-16.3718	-15.8133	-15.7931
-15.0835	-14.2241	-14.2222	-13.0473	-13.0383	-12.9737	-12.3377	-12.1060
-12.1058	-11.9831	-11.9741	-11.7128	-11.5482	-11.5263	-11.5253	-10.9423
-10.8623	-10.8612	-10.6968	-10.6929	-10.2831	-10.2758	-10.1848	-9.7560
-9.7444	-9.7008	-9.6751	-9.4739	-9.3282	-9.3267	-9.1285	-9.1277
-8.8762	-8.8715	-8.8533	-8.4222	-8.4205	-8.3588	-8.3491	-8.3444
-8.2469	-8.1498	-8.1494	-8.0206	-8.0136	-7.7859	-7.7844	-7.6047
-7.6018	-7.5277	-7.5193	-7.5101	-7.2669	-7.2664	-7.1101	-7.1041
-7.0862	-7.0858	-6.9179	-6.9166	-6.8934	-6.8865	-6.8319	-6.8218
-6.4375	-6.4364	-6.4207	-6.4192	-6.1577	-6.1573	-6.0144	-6.0071
-5.4835	-5.4634	-5.4625	-5.2043	-4.8327	-4.8298	-4.6636	-4.6624
-4.6279	-4.4871	-4.3343	-4.2159	-4.2157	-4.1924	-4.1749	-4.1745
-3.8763	-3.7727	-3.7711	-3.7047	-3.6021	-3.5984	-3.3910	-2.9757
0.4375	0.4393	0.9584	0.9609	0.9834	0.9999	1.4673	2.0034

2.2395	2.2420	2.3612	2.3838	2.5750	2.5753	2.6222	2.7013
2.7382	2.7551	2.8004	2.8694	2.8704	3.2852	3.2869	3.3012
3.5433	3.5471						

k = 0.1310-0.2268 0.0000 ( 64746 PWs)      bands (ev):

-21.5018	-21.4035	-20.6113	-20.6098	-20.5599	-20.5544	-20.1201	-20.1196
-19.9513	-19.9504	-19.6558	-19.6543	-19.3514	-19.3474	-18.7498	-18.3867
-18.3851	-18.1125	-18.0859	-18.0857	-17.8811	-17.7908	-17.7891	-17.5411
-17.5299	-17.5274	-16.6467	-16.6440	-16.3969	-16.3930	-15.8501	-15.7972
-15.0880	-14.2607	-14.2588	-13.0096	-13.0004	-12.9474	-12.3404	-12.1216
-12.1215	-11.9778	-11.9687	-11.6868	-11.5383	-11.5095	-11.5085	-10.9755
-10.8630	-10.8619	-10.7082	-10.7043	-10.2424	-10.2349	-10.2132	-9.7918
-9.7804	-9.7079	-9.6837	-9.4797	-9.2931	-9.2916	-9.1325	-9.1317
-8.8757	-8.8713	-8.8588	-8.4453	-8.4436	-8.3386	-8.3328	-8.3281
-8.2714	-8.1471	-8.1467	-8.0190	-8.0120	-7.7706	-7.7691	-7.6123
-7.6090	-7.5555	-7.5462	-7.5126	-7.2664	-7.2659	-7.0941	-7.0922
-7.0888	-7.0847	-6.9511	-6.9498	-6.9097	-6.9049	-6.8208	-6.8133
-6.4449	-6.4434	-6.4210	-6.4199	-6.1442	-6.1437	-6.0268	-6.0198
-5.4753	-5.4744	-5.4492	-5.1748	-4.8179	-4.8150	-4.6516	-4.6504
-4.6093	-4.4759	-4.3176	-4.2001	-4.2000	-4.1835	-4.1575	-4.1570
-3.8807	-3.7846	-3.7830	-3.7109	-3.6204	-3.6167	-3.4111	-3.0129
0.4404	0.4753	0.9317	0.9341	1.0078	1.0246	1.4603	1.9965
2.2325	2.2405	2.3485	2.3711	2.5552	2.5556	2.6404	2.6952
2.7565	2.7729	2.7936	2.8865	2.8875	3.2553	3.3039	3.3057
3.5621	3.5659						

k = 0.1270-0.2199 0.0000 ( 64750 PWs)      bands (ev):

-21.5066	-21.4076	-20.6001	-20.5985	-20.5463	-20.5407	-20.1239	-20.1234
-19.9560	-19.9551	-19.6731	-19.6715	-19.3743	-19.3703	-18.7290	-18.3782
-18.3766	-18.0816	-18.0771	-18.0769	-17.8841	-17.7986	-17.7969	-17.5545
-17.5169	-17.5144	-16.6176	-16.6148	-16.4180	-16.4142	-15.8870	-15.8012
-15.0923	-14.2971	-14.2952	-12.9720	-12.9627	-12.9210	-12.3431	-12.1368
-12.1367	-11.9726	-11.9634	-11.6606	-11.5281	-11.4927	-11.4917	-11.0087
-10.8639	-10.8628	-10.7193	-10.7155	-10.2413	-10.2017	-10.1939	-9.8275
-9.8163	-9.7406	-9.6664	-9.4852	-9.2579	-9.2565	-9.1361	-9.1354
-8.8752	-8.8716	-8.8637	-8.4682	-8.4666	-8.3191	-8.3161	-8.3117
-8.2959	-8.1445	-8.1441	-8.0174	-8.0104	-7.7551	-7.7536	-7.6231
-7.6187	-7.5888	-7.5796	-7.4979	-7.2659	-7.2654	-7.0973	-7.0970
-7.0725	-7.0668	-6.9844	-6.9831	-6.9313	-6.9277	-6.8053	-6.7995
-6.4690	-6.4675	-6.4046	-6.4035	-6.1310	-6.1305	-6.0394	-6.0327
-5.4872	-5.4863	-5.4146	-5.1452	-4.8029	-4.8000	-4.6394	-4.6382
-4.5911	-4.4650	-4.3013	-4.1850	-4.1849	-4.1748	-4.1401	-4.1395
-3.8848	-3.7967	-3.7950	-3.7169	-3.6389	-3.6352	-3.4316	-3.0501
0.4416	0.5132	0.9055	0.9079	1.0324	1.0494	1.4536	1.9898
2.2257	2.2390	2.3356	2.3582	2.5359	2.5362	2.6589	2.6889
2.7751	2.7862	2.7921	2.9036	2.9046	3.2096	3.3228	3.3245
3.5796	3.5827						

k = 0.1230-0.2131 0.0000 ( 64730 PWs)      bands (ev):

-21.5113	-21.4116	-20.5887	-20.5872	-20.5324	-20.5269	-20.1276	-20.1271
-19.9606	-19.9597	-19.6903	-19.6887	-19.3970	-19.3930	-18.7082	-18.3696
-18.3680	-18.0686	-18.0684	-18.0506	-17.8869	-17.8065	-17.8048	-17.5681
-17.5039	-17.5013	-16.5885	-16.5857	-16.4390	-16.4352	-15.9237	-15.8051
-15.0965	-14.3333	-14.3314	-12.9347	-12.9251	-12.8944	-12.3456	-12.1516
-12.1515	-11.9676	-11.9583	-11.6343	-11.5176	-11.4759	-11.4749	-11.0417
-10.8650	-10.8638	-10.7301	-10.7264	-10.2693	-10.1610	-10.1530	-9.8631
-9.8522	-9.7733	-9.6489	-9.4905	-9.2227	-9.2212	-9.1395	-9.1387
-8.8749	-8.8734	-8.8668	-8.4910	-8.4893	-8.3203	-8.3009	-8.2986
-8.2949	-8.1420	-8.1416	-8.0159	-8.0089	-7.7394	-7.7379	-7.6449



-7.6392	-7.6098	-7.6034	-7.4835	-7.2654	-7.2649	-7.1023	-7.1020
-7.0550	-7.0493	-7.0179	-7.0166	-6.9542	-6.9513	-6.7888	-6.7840
-6.4930	-6.4915	-6.3883	-6.3872	-6.1181	-6.1176	-6.0522	-6.0456
-5.4993	-5.4984	-5.3800	-5.1157	-4.7878	-4.7849	-4.6272	-4.6260
-4.5735	-4.4545	-4.2855	-4.1705	-4.1705	-4.1664	-4.1227	-4.1221
-3.8888	-3.8089	-3.8073	-3.7227	-3.6574	-3.6538	-3.4524	-3.0874
0.4427	0.5512	0.8799	0.8823	1.0570	1.0742	1.4471	1.9834
2.2192	2.2376	2.3225	2.3451	2.5170	2.5174	2.6778	2.6827
2.7800	2.7940	2.8103	2.9208	2.9218	3.1640	3.3418	3.3435
3.5802	3.5806						

k = 0.1190-0.2062 0.0000 ( 64710 PWs)      bands (ev):

-21.5158	-21.4154	-20.5772	-20.5757	-20.5185	-20.5130	-20.1311	-20.1307
-19.9650	-19.9641	-19.7074	-19.7058	-19.4196	-19.4155	-18.6874	-18.3610
-18.3595	-18.0602	-18.0600	-18.0194	-17.8897	-17.8145	-17.8129	-17.5819
-17.4907	-17.4881	-16.5594	-16.5565	-16.4599	-16.4562	-15.9605	-15.8088
-15.1005	-14.3693	-14.3675	-12.8975	-12.8878	-12.8677	-12.3481	-12.1660
-12.1659	-11.9626	-11.9533	-11.6078	-11.5067	-11.4591	-11.4581	-11.0747
-10.8662	-10.8651	-10.7405	-10.7369	-10.2971	-10.1203	-10.1120	-9.8987
-9.8879	-9.8059	-9.6313	-9.4956	-9.1874	-9.1859	-9.1425	-9.1417
-8.8775	-8.8742	-8.8678	-8.5135	-8.5119	-8.3445	-8.2837	-8.2805
-8.2779	-8.1397	-8.1392	-8.0145	-8.0074	-7.7237	-7.7221	-7.6783
-7.6714	-7.6192	-7.6153	-7.4695	-7.2649	-7.2644	-7.1072	-7.1069
-7.0516	-7.0502	-7.0391	-7.0339	-6.9759	-6.9735	-6.7722	-6.7681
-6.5170	-6.5154	-6.3720	-6.3709	-6.1055	-6.1050	-6.0651	-6.0587
-5.5114	-5.5105	-5.3451	-5.0861	-4.7725	-4.7697	-4.6149	-4.6137
-4.5563	-4.4442	-4.2700	-4.1583	-4.1566	-4.1565	-4.1054	-4.1048
-3.8927	-3.8213	-3.8196	-3.7283	-3.6760	-3.6724	-3.4735	-3.1247
0.4438	0.5894	0.8548	0.8572	1.0817	1.0990	1.4408	1.9771
2.2129	2.2362	2.3091	2.3317	2.4987	2.4991	2.6767	2.6971
2.7738	2.8130	2.8292	2.9380	2.9389	3.1185	3.3610	3.3627
3.5742	3.5748						

k = 0.1151-0.1993 0.0000 ( 64732 PWs)      bands (ev):

-21.5201	-21.4191	-20.5657	-20.5642	-20.5043	-20.4989	-20.1346	-20.1342
-19.9692	-19.9684	-19.7245	-19.7229	-19.4420	-19.4379	-18.6667	-18.3524
-18.3508	-18.0521	-18.0519	-17.9882	-17.8924	-17.8227	-17.8210	-17.5960
-17.4773	-17.4748	-16.5303	-16.5274	-16.4807	-16.4770	-15.9972	-15.8124
-15.1045	-14.4051	-14.4033	-12.8607	-12.8507	-12.8408	-12.3505	-12.1800
-12.1798	-11.9579	-11.9484	-11.5811	-11.4954	-11.4423	-11.4414	-11.1076
-10.8677	-10.8665	-10.7506	-10.7470	-10.3247	-10.0797	-10.0709	-9.9341
-9.9235	-9.8385	-9.6134	-9.5004	-9.1520	-9.1506	-9.1452	-9.1444
-8.8820	-8.8739	-8.8680	-8.5359	-8.5342	-8.3688	-8.2667	-8.2629
-8.2605	-8.1374	-8.1370	-8.0130	-8.0060	-7.7154	-7.7084	-7.7075
-7.7057	-7.6257	-7.6227	-7.4559	-7.2644	-7.2640	-7.1120	-7.1116
-7.0854	-7.0840	-7.0307	-7.0276	-6.9901	-6.9872	-6.7558	-6.7522
-6.5408	-6.5392	-6.3558	-6.3547	-6.0932	-6.0928	-6.0781	-6.0718
-5.5236	-5.5227	-5.3101	-5.0565	-4.7572	-4.7543	-4.6025	-4.6013
-4.5396	-4.4343	-4.2551	-4.1504	-4.1433	-4.1432	-4.0884	-4.0877
-3.8965	-3.8338	-3.8321	-3.7338	-3.6947	-3.6912	-3.4949	-3.1621
0.4448	0.6277	0.8304	0.8328	1.1064	1.1239	1.4347	1.9711
2.2067	2.2348	2.2954	2.3181	2.4809	2.4812	2.6708	2.7168
2.7677	2.8322	2.8483	2.9551	2.9561	3.0732	3.3804	3.3821
3.5682	3.5689						

k = 0.1111-0.1925 0.0000 ( 64778 PWs)      bands (ev):

-21.5243	-21.4227	-20.5540	-20.5525	-20.4901	-20.4846	-20.1379	-20.1375
-19.9734	-19.9725	-19.7414	-19.7399	-19.4644	-19.4602	-18.6460	-18.3437
-18.3421	-18.0442	-18.0441	-17.9568	-17.8949	-17.8309	-17.8292	-17.6102

-17.4639	-17.4613	-16.5034	-16.4996	-16.4986	-16.4968	-16.0339	-15.8159
-15.1083	-14.4407	-14.4389	-12.8244	-12.8147	-12.8126	-12.3528	-12.1935
-12.1934	-11.9533	-11.9438	-11.5544	-11.4839	-11.4256	-11.4246	-11.1403
-10.8693	-10.8682	-10.7603	-10.7568	-10.3521	-10.0391	-10.0299	-9.9693
-9.9590	-9.8710	-9.5955	-9.5050	-9.1475	-9.1467	-9.1166	-9.1151
-8.8867	-8.8736	-8.8679	-8.5580	-8.5563	-8.3929	-8.2496	-8.2456
-8.2431	-8.1353	-8.1348	-8.0117	-8.0046	-7.7532	-7.7455	-7.6916
-7.6901	-7.6313	-7.6286	-7.4428	-7.2640	-7.2635	-7.1194	-7.1180
-7.1166	-7.1163	-7.0426	-7.0399	-6.9860	-6.9806	-6.7397	-6.7365
-6.5645	-6.5629	-6.3396	-6.3385	-6.0913	-6.0851	-6.0814	-6.0809
-5.5359	-5.5350	-5.2751	-5.0269	-4.7416	-4.7388	-4.5900	-4.5888
-4.5234	-4.4247	-4.2406	-4.1427	-4.1305	-4.1303	-4.0716	-4.0709
-3.9002	-3.8464	-3.8448	-3.7391	-3.7134	-3.7099	-3.5166	-3.1995
0.4458	0.6661	0.8066	0.8089	1.1311	1.1488	1.4288	1.9652
2.2008	2.2334	2.2816	2.3041	2.4635	2.4639	2.6651	2.7368
2.7618	2.8516	2.8677	2.9719	2.9731	3.0285	3.4000	3.4017
3.5624	3.5631						

k = 0.1071-0.1856 0.0000 ( 64730 PWs)      bands (ev):

-21.5284	-21.4262	-20.5422	-20.5407	-20.4757	-20.4702	-20.1412	-20.1407
-19.9774	-19.9765	-19.7584	-19.7568	-19.4865	-19.4823	-18.6252	-18.3349
-18.3333	-18.0366	-18.0364	-17.9253	-17.8975	-17.8392	-17.8375	-17.6247
-17.4503	-17.4477	-16.5221	-16.5184	-16.4719	-16.4689	-16.0705	-15.8193
-15.1119	-14.4760	-14.4743	-12.7903	-12.7844	-12.7768	-12.3550	-12.2066
-12.2065	-11.9490	-11.9393	-11.5274	-11.4719	-11.4089	-11.4080	-11.1730
-10.8712	-10.8700	-10.7695	-10.7661	-10.3793	-10.0047	-9.9984	-9.9943
-9.9887	-9.9034	-9.5773	-9.5093	-9.1494	-9.1486	-9.0811	-9.0796
-8.8914	-8.8733	-8.8678	-8.5799	-8.5782	-8.4170	-8.2323	-8.2284
-8.2260	-8.1332	-8.1328	-8.0103	-8.0032	-7.7915	-7.7836	-7.6754
-7.6739	-7.6364	-7.6339	-7.4301	-7.2635	-7.2631	-7.1534	-7.1521
-7.1211	-7.1207	-7.0645	-7.0616	-6.9713	-6.9653	-6.7240	-6.7211
-6.5880	-6.5865	-6.3235	-6.3224	-6.1046	-6.0984	-6.0698	-6.0693
-5.5483	-5.5473	-5.2398	-4.9974	-4.7260	-4.7232	-4.5774	-4.5762
-4.5077	-4.4154	-4.2266	-4.1353	-4.1181	-4.1179	-4.0551	-4.0543
-3.9037	-3.8592	-3.8576	-3.7445	-3.7320	-3.7287	-3.5387	-3.2369
0.4467	0.7047	0.7835	0.7858	1.1558	1.1737	1.4231	1.9596
2.1951	2.2319	2.2675	2.2900	2.4467	2.4471	2.6595	2.7562
2.7571	2.8712	2.8873	2.9771	2.9901	2.9956	3.4198	3.4215
3.5567	3.5574						

k = 0.1032-0.1787 0.0000 ( 64728 PWs)      bands (ev):

-21.5323	-21.4296	-20.5303	-20.5288	-20.4611	-20.4557	-20.1443	-20.1438
-19.9812	-19.9803	-19.7752	-19.7736	-19.5086	-19.5044	-18.6046	-18.3261
-18.3245	-18.0292	-18.0290	-17.8999	-17.8937	-17.8476	-17.8459	-17.6394
-17.4365	-17.4339	-16.5426	-16.5389	-16.4428	-16.4398	-16.1071	-15.8225
-15.1154	-14.5111	-14.5094	-12.7614	-12.7500	-12.7405	-12.3572	-12.2193
-12.2192	-11.9449	-11.9351	-11.5003	-11.4597	-11.3923	-11.3913	-11.2056
-10.8733	-10.8721	-10.7784	-10.7751	-10.4063	-10.0393	-10.0293	-9.9582
-9.9477	-9.9357	-9.5591	-9.5132	-9.1510	-9.1502	-9.0455	-9.0441
-8.8959	-8.8731	-8.8676	-8.6015	-8.5999	-8.4410	-8.2150	-8.2114
-8.2090	-8.1313	-8.1308	-8.0090	-8.0019	-7.8301	-7.8221	-7.6591
-7.6577	-7.6411	-7.6386	-7.4178	-7.2631	-7.2626	-7.1876	-7.1863
-7.1254	-7.1251	-7.0885	-7.0855	-6.9542	-6.9481	-6.7088	-6.7061
-6.6115	-6.6100	-6.3074	-6.3063	-6.1180	-6.1119	-6.0587	-6.0582
-5.5607	-5.5597	-5.2045	-4.9678	-4.7102	-4.7074	-4.5647	-4.5636
-4.4926	-4.4065	-4.2131	-4.1282	-4.1061	-4.1059	-4.0389	-4.0382
-3.9071	-3.8721	-3.8705	-3.7530	-3.7490	-3.7459	-3.5610	-3.2744
0.4476	0.7434	0.7610	0.7633	1.1805	1.1986	1.4176	1.9541
2.1896	2.2303	2.2534	2.2756	2.4305	2.4308	2.6542	2.7507
2.7778	2.8910	2.9071	2.9360	3.0072	3.0089	3.4398	3.4415

3.5512 3.5520

k = 0.0992-0.1718 0.0000 ( 64752 PWs) bands (ev):

-21.5361	-21.4328	-20.5183	-20.5168	-20.4465	-20.4410	-20.1473	-20.1468
-19.9849	-19.9840	-19.7920	-19.7904	-19.5305	-19.5262	-18.5839	-18.3173
-18.3157	-18.0220	-18.0218	-17.9022	-17.8620	-17.8561	-17.8544	-17.6544
-17.4227	-17.4201	-16.5629	-16.5593	-16.4138	-16.4107	-16.1436	-15.8257
-15.1188	-14.5459	-14.5443	-12.7338	-12.7145	-12.7045	-12.3593	-12.2315
-12.2314	-11.9410	-11.9311	-11.4731	-11.4471	-11.3758	-11.3748	-11.2381
-10.8756	-10.8744	-10.7868	-10.7836	-10.4330	-10.0740	-10.0642	-9.9681
-9.9180	-9.9066	-9.5406	-9.5168	-9.1522	-9.1514	-9.0099	-9.0085
-8.9002	-8.8728	-8.8674	-8.6229	-8.6213	-8.4649	-8.1976	-8.1948
-8.1920	-8.1294	-8.1290	-8.0078	-8.0007	-7.8688	-7.8609	-7.6471
-7.6455	-7.6407	-7.6395	-7.4059	-7.2627	-7.2622	-7.2220	-7.2206
-7.1297	-7.1294	-7.1130	-7.1099	-6.9365	-6.9303	-6.6941	-6.6916
-6.6349	-6.6333	-6.2913	-6.2902	-6.1315	-6.1254	-6.0478	-6.0473
-5.5732	-5.5722	-5.1691	-4.9383	-4.6944	-4.6916	-4.5520	-4.5508
-4.4780	-4.3978	-4.2001	-4.1214	-4.0947	-4.0945	-4.0232	-4.0224
-3.9104	-3.8851	-3.8835	-3.7707	-3.7670	-3.7527	-3.5836	-3.3118
0.4484	0.7391	0.7414	0.7824	1.2051	1.2234	1.4123	1.9489
2.1843	2.2279	2.2399	2.2609	2.4147	2.4150	2.6491	2.7454
2.7989	2.8911	2.9113	2.9271	3.0244	3.0258	3.4600	3.4617
3.5460	3.5467						

k = 0.0952-0.1650 0.0000 ( 64778 PWs) bands (ev):

-21.5397	-21.4359	-20.5062	-20.5047	-20.4316	-20.4262	-20.1501	-20.1497
-19.9885	-19.9876	-19.8087	-19.8071	-19.5522	-19.5480	-18.5633	-18.3084
-18.3068	-18.0151	-18.0149	-17.9045	-17.8646	-17.8630	-17.8302	-17.6695
-17.4087	-17.4060	-16.5831	-16.5795	-16.3848	-16.3817	-16.1800	-15.8287
-15.1221	-14.5804	-14.5789	-12.7064	-12.6791	-12.6688	-12.3613	-12.2433
-12.2432	-11.9374	-11.9274	-11.4457	-11.4342	-11.3594	-11.3584	-11.2705
-10.8781	-10.8770	-10.7947	-10.7916	-10.4596	-10.1083	-10.0988	-10.0003
-9.8780	-9.8655	-9.5220	-9.5200	-9.1530	-9.1522	-8.9743	-8.9728
-8.9044	-8.8726	-8.8673	-8.6440	-8.6424	-8.4888	-8.1807	-8.1784
-8.1747	-8.1277	-8.1272	-8.0066	-7.9995	-7.9078	-7.8998	-7.6507
-7.6483	-7.6253	-7.6238	-7.3945	-7.2623	-7.2618	-7.2564	-7.2550
-7.1390	-7.1367	-7.1325	-7.1313	-6.9186	-6.9123	-6.6799	-6.6777
-6.6580	-6.6564	-6.2754	-6.2743	-6.1451	-6.1391	-6.0373	-6.0369
-5.5858	-5.5848	-5.1336	-4.9087	-4.6784	-4.6756	-4.5391	-4.5380
-4.4639	-4.3896	-4.1875	-4.1148	-4.0836	-4.0834	-4.0078	-4.0070
-3.9136	-3.8983	-3.8967	-3.7895	-3.7859	-3.7575	-3.6066	-3.3493
0.4492	0.7180	0.7202	0.8214	1.2298	1.2482	1.4072	1.9439
2.1792	2.2202	2.2312	2.2461	2.3995	2.3999	2.6441	2.7403
2.8203	2.8464	2.9313	2.9473	3.0416	3.0428	3.4803	3.4820
3.5409	3.5417						

k = 0.0913-0.1581 0.0000 ( 64764 PWs) bands (ev):

-21.5432	-21.4388	-20.4940	-20.4925	-20.4166	-20.4113	-20.1529	-20.1525
-19.9919	-19.9910	-19.8253	-19.8237	-19.5739	-19.5696	-18.5427	-18.2994
-18.2978	-18.0084	-18.0083	-17.9066	-17.8733	-17.8716	-17.7982	-17.6848
-17.3945	-17.3919	-16.6033	-16.5997	-16.3559	-16.3527	-16.2164	-15.8316
-15.1253	-14.6147	-14.6131	-12.6790	-12.6440	-12.6335	-12.3632	-12.2547
-12.2546	-11.9340	-11.9240	-11.4209	-11.4181	-11.3431	-11.3421	-11.3028
-10.8809	-10.8798	-10.8022	-10.7991	-10.4860	-10.1424	-10.1331	-10.0325
-9.8384	-9.8243	-9.5226	-9.5033	-9.1534	-9.1526	-8.9385	-8.9371
-8.9085	-8.8724	-8.8671	-8.6648	-8.6632	-8.5126	-8.1650	-8.1613
-8.1571	-8.1260	-8.1255	-8.0055	-7.9984	-7.9468	-7.9387	-7.6548
-7.6524	-7.6086	-7.6070	-7.3835	-7.2910	-7.2896	-7.2619	-7.2614
-7.1632	-7.1601	-7.1370	-7.1366	-6.9005	-6.8943	-6.6817	-6.6802

-6.6657	-6.6633	-6.2595	-6.2584	-6.1588	-6.1528	-6.0272	-6.0267
-5.5984	-5.5974	-5.0979	-4.8792	-4.6622	-4.6595	-4.5262	-4.5251
-4.4503	-4.3816	-4.1754	-4.1084	-4.0730	-4.0728	-3.9929	-3.9921
-3.9166	-3.9116	-3.9099	-3.8084	-3.8049	-3.7619	-3.6298	-3.3868
0.4499	0.6976	0.6998	0.8605	1.2543	1.2730	1.4024	1.9391
2.1743	2.2065	2.2274	2.2321	2.3849	2.3852	2.6394	2.7355
2.8016	2.8421	2.9517	2.9677	3.0587	3.0599	3.5008	3.5025
3.5361	3.5369						

k = 0.0873-0.1512 0.0000 ( 64776 PWs) bands (ev):

-21.5465	-21.4417	-20.4817	-20.4802	-20.4015	-20.3962	-20.1556	-20.1551
-19.9951	-19.9943	-19.8418	-19.8403	-19.5953	-19.5910	-18.5221	-18.2904
-18.2888	-18.0020	-18.0019	-17.9087	-17.8820	-17.8803	-17.7662	-17.7003
-17.3803	-17.3776	-16.6233	-16.6197	-16.3271	-16.3239	-16.2527	-15.8343
-15.1283	-14.6486	-14.6471	-12.6514	-12.6092	-12.5986	-12.3651	-12.2656
-12.2655	-11.9311	-11.9209	-11.4073	-11.3905	-11.3350	-11.3269	-11.3260
-10.8839	-10.8828	-10.8091	-10.8061	-10.5121	-10.1762	-10.1671	-10.0646
-9.7992	-9.7831	-9.5245	-9.4844	-9.1534	-9.1526	-8.9123	-8.9028
-8.9013	-8.8723	-8.8670	-8.6853	-8.6837	-8.5363	-8.1506	-8.1437
-8.1394	-8.1244	-8.1239	-8.0044	-7.9974	-7.9857	-7.9776	-7.6587
-7.6563	-7.5916	-7.5901	-7.3730	-7.3257	-7.3243	-7.2615	-7.2610
-7.1880	-7.1848	-7.1407	-7.1403	-6.8825	-6.8762	-6.7045	-6.7030
-6.6526	-6.6505	-6.2436	-6.2425	-6.1727	-6.1667	-6.0175	-6.0170
-5.6111	-5.6102	-5.0622	-4.8497	-4.6460	-4.6432	-4.5132	-4.5121
-4.4372	-4.3740	-4.1637	-4.1024	-4.0629	-4.0626	-3.9784	-3.9776
-3.9250	-3.9234	-3.9194	-3.8273	-3.8238	-3.7661	-3.6532	-3.4243
0.4506	0.6779	0.6801	0.8998	1.2789	1.2977	1.3977	1.9344
2.1696	2.1914	2.2147	2.2279	2.3707	2.3711	2.6348	2.7308
2.7569	2.8642	2.9723	2.9883	3.0758	3.0770	3.5213	3.5227
3.5316	3.5328						

k = 0.0833-0.1443 0.0000 ( 64826 PWs) bands (ev):

-21.5497	-21.4444	-20.4693	-20.4678	-20.3863	-20.3809	-20.1581	-20.1577
-19.9982	-19.9974	-19.8583	-19.8567	-19.6167	-19.6123	-18.5015	-18.2814
-18.2798	-17.9958	-17.9957	-17.9107	-17.8907	-17.8891	-17.7340	-17.7161
-17.3659	-17.3632	-16.6432	-16.6397	-16.2989	-16.2958	-16.2879	-15.8370
-15.1311	-14.6821	-14.6807	-12.6238	-12.5749	-12.5641	-12.3668	-12.2760
-12.2759	-11.9284	-11.9181	-11.3934	-11.3671	-11.3627	-11.3109	-11.3099
-10.8872	-10.8861	-10.8155	-10.8126	-10.5380	-10.2096	-10.2008	-10.0966
-9.7609	-9.7419	-9.5254	-9.4654	-9.1531	-9.1522	-8.9161	-8.8721
-8.8670	-8.8669	-8.8655	-8.7055	-8.7039	-8.5599	-8.1368	-8.1261
-8.1229	-8.1226	-8.1218	-8.0246	-8.0170	-8.0031	-7.9959	-7.6625
-7.6601	-7.5745	-7.5729	-7.3630	-7.3603	-7.3591	-7.2612	-7.2607
-7.2127	-7.2095	-7.1443	-7.1439	-6.8645	-6.8582	-6.7274	-6.7259
-6.6399	-6.6379	-6.2278	-6.2267	-6.1866	-6.1807	-6.0082	-6.0077
-5.6239	-5.6230	-5.0264	-4.8203	-4.6296	-4.6269	-4.5002	-4.4991
-4.4248	-4.3667	-4.1526	-4.0966	-4.0531	-4.0529	-3.9645	-3.9637
-3.9385	-3.9369	-3.9223	-3.8463	-3.8428	-3.7701	-3.6770	-3.4618
0.4513	0.6589	0.6611	0.9392	1.3033	1.3223	1.3932	1.9300
2.1651	2.1758	2.1991	2.2265	2.3572	2.3576	2.6305	2.7123
2.7264	2.8866	2.9931	3.0091	3.0927	3.0939	3.5267	3.5273
3.5424	3.5447						

k = 0.0794-0.1375 0.0000 ( 64782 PWs) bands (ev):

-21.5527	-21.4470	-20.4567	-20.4552	-20.3708	-20.3655	-20.1605	-20.1601
-20.0012	-20.0004	-19.8747	-19.8731	-19.6379	-19.6335	-18.4811	-18.2723
-18.2707	-17.9899	-17.9898	-17.9126	-17.8996	-17.8979	-17.7320	-17.7017
-17.3513	-17.3486	-16.6629	-16.6595	-16.3254	-16.2698	-16.2665	-15.8395
-15.1339	-14.7152	-14.7139	-12.5960	-12.5411	-12.5301	-12.3685	-12.2860

-12.2859	-11.9262	-11.9157	-11.3991	-11.3791	-11.3348	-11.2950	-11.2940
-10.8908	-10.8896	-10.8212	-10.8184	-10.5637	-10.2427	-10.2340	-10.1286
-9.7237	-9.7007	-9.5248	-9.4462	-9.1522	-9.1514	-8.9196	-8.8720
-8.8668	-8.8311	-8.8296	-8.7254	-8.7238	-8.5834	-8.1238	-8.1215
-8.1210	-8.1098	-8.1061	-8.0614	-8.0545	-8.0022	-7.9950	-7.6661
-7.6637	-7.5572	-7.5556	-7.3954	-7.3940	-7.3531	-7.2608	-7.2603
-7.2374	-7.2341	-7.1476	-7.1472	-6.8465	-6.8402	-6.7502	-6.7487
-6.6277	-6.6258	-6.2120	-6.2109	-6.2007	-6.1947	-5.9993	-5.9988
-5.6368	-5.6358	-4.9905	-4.7908	-4.6131	-4.6104	-4.4870	-4.4859
-4.4128	-4.3597	-4.1420	-4.0910	-4.0438	-4.0435	-3.9530	-3.9523
-3.9497	-3.9489	-3.9249	-3.8652	-3.8618	-3.7738	-3.7010	-3.4992
0.4520	0.6407	0.6429	0.9788	1.3277	1.3469	1.3890	1.9258
2.1598	2.1609	2.1832	2.2254	2.3443	2.3446	2.6263	2.6677
2.7221	2.9093	3.0140	3.0301	3.1098	3.1110	3.5225	3.5232
3.5580	3.5656						

k = 0.0754-0.1306 0.0000 ( 64784 PWs) bands (ev):

-21.5556	-21.4495	-20.4441	-20.4426	-20.3553	-20.3500	-20.1628	-20.1624
-20.0040	-20.0032	-19.8910	-19.8894	-19.6590	-19.6545	-18.4606	-18.2632
-18.2616	-17.9843	-17.9842	-17.9144	-17.9084	-17.9068	-17.7481	-17.6693
-17.3366	-17.3339	-16.6826	-16.6791	-16.3615	-16.2416	-16.2381	-15.8419
-15.1365	-14.7480	-14.7467	-12.5682	-12.5077	-12.4965	-12.3701	-12.2956
-12.2954	-11.9244	-11.9138	-11.4311	-11.3645	-11.3067	-11.2793	-11.2783
-10.8946	-10.8935	-10.8264	-10.8237	-10.5892	-10.2753	-10.2669	-10.1605
-9.6887	-9.6595	-9.5220	-9.4269	-9.1510	-9.1501	-8.9230	-8.8719
-8.8667	-8.7952	-8.7937	-8.7449	-8.7434	-8.6069	-8.1202	-8.1197
-8.1137	-8.1108	-8.1064	-8.0789	-8.0755	-8.0013	-7.9941	-7.6696
-7.6672	-7.5397	-7.5382	-7.4304	-7.4290	-7.3439	-7.2619	-7.2605
-7.2600	-7.2586	-7.1508	-7.1504	-6.8286	-6.8223	-6.7729	-6.7714
-6.6161	-6.6143	-6.2148	-6.2089	-6.1963	-6.1952	-5.9907	-5.9902
-5.6497	-5.6487	-4.9546	-4.7614	-4.5965	-4.5938	-4.4738	-4.4727
-4.4014	-4.3530	-4.1318	-4.0858	-4.0349	-4.0346	-3.9660	-3.9645
-3.9380	-3.9371	-3.9275	-3.8840	-3.8807	-3.7774	-3.7253	-3.5367
0.4525	0.6233	0.6254	1.0185	1.3520	1.3713	1.3849	1.9218
2.1436	2.1568	2.1669	2.2244	2.3319	2.3322	2.6223	2.6233
2.7181	2.9324	3.0352	3.0513	3.1267	3.1279	3.5185	3.5192
3.5558	3.5856						

k = 0.0714-0.1237 0.0000 ( 64788 PWs) bands (ev):

-21.5583	-21.4518	-20.4314	-20.4298	-20.3396	-20.3343	-20.1650	-20.1645
-20.0067	-20.0059	-19.9072	-19.9057	-19.6799	-19.6754	-18.4402	-18.2541
-18.2525	-17.9790	-17.9788	-17.9177	-17.9163	-17.9153	-17.7644	-17.6368
-17.3218	-17.3191	-16.7021	-16.6987	-16.3975	-16.2135	-16.2100	-15.8441
-15.1389	-14.7802	-14.7790	-12.5402	-12.4749	-12.4636	-12.3716	-12.3046
-12.3045	-11.9230	-11.9123	-11.4629	-11.3496	-11.2785	-11.2638	-11.2628
-10.8987	-10.8976	-10.8309	-10.8282	-10.6145	-10.3075	-10.2993	-10.1923
-9.6572	-9.6183	-9.5155	-9.4074	-9.1493	-9.1484	-8.9261	-8.8718
-8.8667	-8.7642	-8.7626	-8.7591	-8.7577	-8.6303	-8.1483	-8.1402
-8.1189	-8.1185	-8.0993	-8.0660	-8.0617	-8.0004	-7.9932	-7.6728
-7.6704	-7.5221	-7.5206	-7.4655	-7.4641	-7.3351	-7.2864	-7.2830
-7.2602	-7.2597	-7.1538	-7.1534	-6.8108	-6.8047	-6.7953	-6.7938
-6.6050	-6.6033	-6.2291	-6.2232	-6.1807	-6.1796	-5.9826	-5.9821
-5.6628	-5.6618	-4.9185	-4.7320	-4.5798	-4.5771	-4.4605	-4.4595
-4.3906	-4.3467	-4.1222	-4.0807	-4.0264	-4.0262	-3.9799	-3.9784
-3.9299	-3.9258	-3.9248	-3.9028	-3.8995	-3.7808	-3.7499	-3.5742
0.4531	0.6066	0.6088	1.0583	1.3762	1.3811	1.3957	1.9180
2.1271	2.1504	2.1530	2.2234	2.3201	2.3205	2.5790	2.6186
2.7143	2.9558	3.0566	3.0727	3.1435	3.1447	3.5147	3.5154
3.5523	3.6073						

k = 0.0675-0.1168 0.0000 ( 64782 PWs) bands (ev):

-21.5609	-21.4540	-20.4185	-20.4170	-20.3238	-20.3185	-20.1670	-20.1666
-20.0093	-20.0084	-19.9234	-19.9218	-19.7007	-19.6962	-18.4199	-18.2449
-18.2433	-17.9739	-17.9737	-17.9265	-17.9248	-17.9176	-17.7808	-17.6041
-17.3069	-17.3042	-16.7216	-16.7182	-16.4335	-16.1858	-16.1822	-15.8463
-15.1413	-14.8120	-14.8108	-12.5122	-12.4426	-12.4312	-12.3730	-12.3132
-12.3131	-11.9221	-11.9113	-11.4946	-11.3343	-11.2502	-11.2484	-11.2474
-10.9031	-10.9020	-10.8347	-10.8321	-10.6395	-10.3391	-10.3312	-10.2240
-9.6313	-9.5771	-9.5032	-9.3879	-9.1472	-9.1463	-8.9292	-8.8717
-8.8666	-8.7829	-8.7814	-8.7233	-8.7218	-8.6536	-8.1872	-8.1790
-8.1178	-8.1173	-8.0881	-8.0482	-8.0439	-7.9995	-7.9923	-7.6759
-7.6735	-7.5044	-7.5029	-7.5007	-7.4993	-7.3268	-7.3107	-7.3073
-7.2599	-7.2594	-7.1566	-7.1563	-6.8181	-6.8165	-6.7928	-6.7866
-6.5945	-6.5929	-6.2435	-6.2376	-6.1651	-6.1640	-5.9749	-5.9744
-5.6759	-5.6749	-4.8824	-4.7027	-4.5630	-4.5603	-4.4472	-4.4461
-4.3803	-4.3408	-4.1130	-4.0760	-4.0184	-4.0181	-3.9939	-3.9924
-3.9323	-3.9223	-3.9187	-3.9131	-3.9125	-3.7840	-3.7747	-3.6116
0.4536	0.5908	0.5929	1.0982	1.3774	1.4003	1.4199	1.9144
2.1103	2.1336	2.1493	2.2225	2.3089	2.3093	2.5348	2.6151
2.7106	2.9795	3.0781	3.0942	3.1602	3.1614	3.5110	3.5118
3.5488	3.6292						

k = 0.0635-0.1100 0.0000 ( 64768 PWs) bands (ev):

-21.5633	-21.4561	-20.4056	-20.4040	-20.3078	-20.3025	-20.1690	-20.1685
-20.0117	-20.0108	-19.9394	-19.9379	-19.7213	-19.7168	-18.3996	-18.2357
-18.2341	-17.9691	-17.9689	-17.9356	-17.9339	-17.9191	-17.7974	-17.5714
-17.2918	-17.2891	-16.7409	-16.7375	-16.4694	-16.1584	-16.1547	-15.8483
-15.1435	-14.8431	-14.8420	-12.4840	-12.4110	-12.3994	-12.3744	-12.3213
-12.3212	-11.9218	-11.9108	-11.5262	-11.3187	-11.2333	-11.2323	-11.2218
-10.9078	-10.9067	-10.8377	-10.8352	-10.6643	-10.3702	-10.3625	-10.2557
-9.6127	-9.5359	-9.4834	-9.3681	-9.1446	-9.1436	-8.9320	-8.8716
-8.8666	-8.8013	-8.7999	-8.6873	-8.6858	-8.6768	-8.2268	-8.2186
-8.1167	-8.1162	-8.0775	-8.0296	-8.0252	-7.9986	-7.9914	-7.6788
-7.6764	-7.5360	-7.5346	-7.4865	-7.4849	-7.3349	-7.3314	-7.3189
-7.2596	-7.2591	-7.1593	-7.1589	-6.8403	-6.8388	-6.7751	-6.7689
-6.5845	-6.5830	-6.2580	-6.2521	-6.1496	-6.1485	-5.9676	-5.9671
-5.6891	-5.6881	-4.8462	-4.6734	-4.5461	-4.5434	-4.4337	-4.4327
-4.3706	-4.3351	-4.1044	-4.0715	-4.0109	-4.0106	-4.0080	-4.0065
-3.9406	-3.9380	-3.9335	-3.9023	-3.9016	-3.7998	-3.7871	-3.6490
0.4541	0.5757	0.5779	1.1383	1.3740	1.4243	1.4441	1.9110
2.0933	2.1165	2.1459	2.2217	2.2983	2.2987	2.4906	2.6117
2.7072	3.0035	3.0999	3.1160	3.1769	3.1781	3.5076	3.5084
3.5455	3.6261						

k = 0.0595-0.1031 0.0000 ( 64751 PWs) bands (ev):

-21.5656	-21.4581	-20.3925	-20.3910	-20.2917	-20.2864	-20.1708	-20.1704
-20.0139	-20.0130	-19.9554	-19.9539	-19.7418	-19.7373	-18.3793	-18.2264
-18.2248	-17.9646	-17.9644	-17.9447	-17.9430	-17.9206	-17.8143	-17.5385
-17.2766	-17.2739	-16.7600	-16.7567	-16.5053	-16.1313	-16.1276	-15.8502
-15.1455	-14.8737	-14.8726	-12.4557	-12.3801	-12.3757	-12.3683	-12.3290
-12.3289	-11.9220	-11.9109	-11.5577	-11.3028	-11.2183	-11.2174	-11.1932
-10.9128	-10.9117	-10.8400	-10.8376	-10.6889	-10.4007	-10.3933	-10.2873
-9.6012	-9.4946	-9.4563	-9.3483	-9.1415	-9.1406	-8.9347	-8.8716
-8.8665	-8.8194	-8.8179	-8.7000	-8.6512	-8.6497	-8.2667	-8.2585
-8.1156	-8.1151	-8.0675	-8.0106	-8.0063	-7.9977	-7.9906	-7.6815
-7.6791	-7.5713	-7.5699	-7.4684	-7.4669	-7.3589	-7.3555	-7.3114
-7.2593	-7.2588	-7.1618	-7.1614	-6.8626	-6.8610	-6.7575	-6.7513
-6.5751	-6.5737	-6.2726	-6.2666	-6.1342	-6.1331	-5.9607	-5.9602
-5.7023	-5.7013	-4.8100	-4.6441	-4.5291	-4.5264	-4.4202	-4.4192

-4.3615	-4.3298	-4.0962	-4.0673	-4.0224	-4.0210	-4.0036	-4.0034
-3.9591	-3.9561	-3.9361	-3.8918	-3.8910	-3.8251	-3.7899	-3.6863
0.4546	0.5615	0.5637	1.1785	1.3708	1.4481	1.4681	1.9078
2.0760	2.0992	2.1427	2.2209	2.2884	2.2887	2.4467	2.6086
2.7040	3.0278	3.1218	3.1380	3.1935	3.1946	3.5044	3.5052
3.5424	3.6141						

k = 0.0556-0.0962 0.0000 ( 64757 PWs)      bands (ev):

-21.5678	-21.4599	-20.3793	-20.3778	-20.2754	-20.2702	-20.1725	-20.1721
-20.0160	-20.0152	-19.9713	-19.9697	-19.7622	-19.7576	-18.3591	-18.2171
-18.2155	-17.9604	-17.9601	-17.9538	-17.9521	-17.9219	-17.8313	-17.5056
-17.2613	-17.2585	-16.7791	-16.7758	-16.5411	-16.1048	-16.1010	-15.8520
-15.1475	-14.9035	-14.9025	-12.4274	-12.3769	-12.3498	-12.3380	-12.3361
-12.3360	-11.9229	-11.9116	-11.5891	-11.2866	-11.2036	-11.2027	-11.1645
-10.9181	-10.9170	-10.8414	-10.8391	-10.7132	-10.4305	-10.4234	-10.3188
-9.5947	-9.4533	-9.4240	-9.3283	-9.1380	-9.1370	-8.9372	-8.8715
-8.8665	-8.8370	-8.8356	-8.7230	-8.6151	-8.6136	-8.3068	-8.2986
-8.1147	-8.1142	-8.0582	-7.9975	-7.9921	-7.9890	-7.9866	-7.6840
-7.6816	-7.6068	-7.6054	-7.4502	-7.4487	-7.3828	-7.3794	-7.3045
-7.2591	-7.2586	-7.1642	-7.1638	-6.8846	-6.8831	-6.7400	-6.7338
-6.5663	-6.5650	-6.2873	-6.2813	-6.1188	-6.1177	-5.9542	-5.9537
-5.7157	-5.7146	-4.7737	-4.6149	-4.5120	-4.5094	-4.4067	-4.4057
-4.3529	-4.3249	-4.0886	-4.0634	-4.0369	-4.0355	-3.9970	-3.9967
-3.9774	-3.9745	-3.9380	-3.8818	-3.8809	-3.8507	-3.7926	-3.7236
0.4550	0.5482	0.5503	1.2189	1.3678	1.4719	1.4920	1.9049
2.0584	2.0816	2.1397	2.2202	2.2790	2.2794	2.4028	2.6056
2.7010	3.0524	3.1440	3.1601	3.2099	3.2111	3.5014	3.5022
3.5395	3.6030						

k = 0.0516-0.0894 0.0000 ( 64745 PWs)      bands (ev):

-21.5698	-21.4616	-20.3661	-20.3646	-20.2590	-20.2538	-20.1741	-20.1736
-20.0180	-20.0171	-19.9871	-19.9856	-19.7824	-19.7779	-18.3390	-18.2078
-18.2062	-17.9631	-17.9616	-17.9562	-17.9561	-17.9232	-17.8484	-17.4725
-17.2458	-17.2430	-16.7980	-16.7947	-16.5767	-16.0789	-16.0750	-15.8536
-15.1493	-14.9325	-14.9316	-12.3989	-12.3780	-12.3428	-12.3427	-12.3204
-12.3084	-11.9244	-11.9130	-11.6204	-11.2701	-11.1892	-11.1882	-11.1357
-10.9238	-10.9227	-10.8420	-10.8397	-10.7373	-10.4597	-10.4528	-10.3502
-9.5913	-9.4121	-9.3885	-9.3082	-9.1340	-9.1330	-8.9395	-8.8715
-8.8664	-8.8543	-8.8528	-8.7460	-8.5790	-8.5775	-8.3470	-8.3388
-8.1138	-8.1133	-8.0495	-7.9966	-7.9895	-7.9715	-7.9674	-7.6864
-7.6840	-7.6423	-7.6409	-7.4319	-7.4304	-7.4066	-7.4031	-7.2980
-7.2588	-7.2584	-7.1664	-7.1660	-6.9066	-6.9051	-6.7226	-6.7163
-6.5580	-6.5568	-6.3021	-6.2961	-6.1034	-6.1024	-5.9482	-5.9477
-5.7291	-5.7281	-4.7373	-4.5857	-4.4948	-4.4922	-4.3930	-4.3920
-4.3449	-4.3202	-4.0815	-4.0597	-4.0515	-4.0502	-3.9961	-3.9933
-3.9903	-3.9900	-3.9398	-3.8773	-3.8720	-3.8713	-3.7951	-3.7608
0.4554	0.5357	0.5378	1.2593	1.3650	1.4955	1.5157	1.9021
2.0406	2.0637	2.1369	2.2195	2.2702	2.2706	2.3590	2.6029
2.6982	3.0773	3.1663	3.1825	3.2262	3.2274	3.4986	3.4994
3.5368	3.5916						

k = 0.0476-0.0825 0.0000 ( 64769 PWs)      bands (ev):

-21.5716	-21.4632	-20.3527	-20.3512	-20.2424	-20.2373	-20.1755	-20.1751
-20.0198	-20.0189	-20.0028	-20.0013	-19.8025	-19.7979	-18.3189	-18.1985
-18.1969	-17.9723	-17.9707	-17.9525	-17.9525	-17.9243	-17.8657	-17.4393
-17.2302	-17.2274	-16.8168	-16.8136	-16.6124	-16.0536	-16.0496	-15.8552
-15.1510	-14.9606	-14.9598	-12.3790	-12.3703	-12.3490	-12.3489	-12.2917
-12.2796	-11.9267	-11.9152	-11.6517	-11.2532	-11.1750	-11.1740	-11.1068
-10.9297	-10.9286	-10.8417	-10.8394	-10.7611	-10.4881	-10.4815	-10.3816

-9.5896	-9.3709	-9.3511	-9.2880	-9.1295	-9.1285	-8.9417	-8.8715
-8.8711	-8.8697	-8.8664	-8.7689	-8.5429	-8.5414	-8.3873	-8.3790
-8.1130	-8.1125	-8.0414	-7.9960	-7.9888	-7.9519	-7.9477	-7.6886
-7.6862	-7.6778	-7.6764	-7.4303	-7.4267	-7.4134	-7.4119	-7.2920
-7.2586	-7.2582	-7.1684	-7.1680	-6.9285	-6.9269	-6.7052	-6.6990
-6.5504	-6.5493	-6.3170	-6.3110	-6.0882	-6.0871	-5.9426	-5.9421
-5.7426	-5.7416	-4.7009	-4.5566	-4.4775	-4.4749	-4.3793	-4.3783
-4.3375	-4.3159	-4.0749	-4.0664	-4.0651	-4.0563	-4.0139	-4.0111
-3.9848	-3.9845	-3.9415	-3.9030	-3.8635	-3.8628	-3.7980	-3.7973
0.4557	0.5241	0.5261	1.2999	1.3624	1.5189	1.5392	1.8995
2.0225	2.0456	2.1343	2.2189	2.2620	2.2625	2.3155	2.6003
2.6956	3.1025	3.1888	3.2050	3.2424	3.2436	3.4960	3.4968
3.5343	3.5801						

k = 0.0437-0.0756 0.0000 ( 64777 PWs) bands (ev):

-21.5733	-21.4646	-20.3393	-20.3377	-20.2257	-20.2206	-20.1769	-20.1765
-20.0214	-20.0206	-20.0185	-20.0169	-19.8225	-19.8178	-18.2989	-18.1891
-18.1875	-17.9816	-17.9800	-17.9492	-17.9491	-17.9254	-17.8831	-17.4060
-17.2145	-17.2116	-16.8355	-16.8323	-16.6479	-16.0292	-16.0251	-15.8566
-15.1525	-14.9877	-14.9869	-12.3799	-12.3547	-12.3546	-12.3416	-12.2639
-12.2517	-11.9297	-11.9180	-11.6828	-11.2361	-11.1611	-11.1601	-11.0778
-10.9360	-10.9349	-10.8404	-10.8381	-10.7847	-10.5157	-10.5093	-10.4129
-9.5890	-9.3296	-9.3125	-9.2676	-9.1245	-9.1236	-8.9437	-8.8875
-8.8861	-8.8714	-8.8664	-8.7917	-8.5068	-8.5053	-8.4277	-8.4194
-8.1122	-8.1118	-8.0339	-7.9954	-7.9882	-7.9321	-7.9279	-7.7135
-7.7120	-7.6906	-7.6882	-7.4538	-7.4502	-7.3948	-7.3933	-7.2865
-7.2585	-7.2580	-7.1703	-7.1699	-6.9502	-6.9487	-6.6879	-6.6817
-6.5433	-6.5423	-6.3320	-6.3260	-6.0730	-6.0719	-5.9374	-5.9369
-5.7561	-5.7551	-4.6644	-4.5275	-4.4601	-4.4575	-4.3655	-4.3646
-4.3307	-4.3120	-4.0815	-4.0803	-4.0689	-4.0532	-4.0317	-4.0291
-3.9794	-3.9792	-3.9430	-3.9294	-3.8556	-3.8548	-3.8345	-3.7995
0.4561	0.5133	0.5154	1.3406	1.3600	1.5422	1.5627	1.8972
2.0042	2.0273	2.1319	2.2184	2.2541	2.2550	2.2724	2.5980
2.6932	3.1281	3.2115	3.2277	3.2585	3.2596	3.4935	3.4944
3.5319	3.5683						

k = 0.0397-0.0687 0.0000 ( 64791 PWs) bands (ev):

-21.5749	-21.4660	-20.3257	-20.3242	-20.2089	-20.2038	-20.1781	-20.1777
-20.0340	-20.0325	-20.0230	-20.0221	-19.8423	-19.8376	-18.2790	-18.1798
-18.1781	-17.9909	-17.9893	-17.9461	-17.9460	-17.9264	-17.9007	-17.3726
-17.1986	-17.1958	-16.8541	-16.8509	-16.6833	-16.0057	-16.0015	-15.8579
-15.1539	-15.0136	-15.0129	-12.3808	-12.3599	-12.3599	-12.3128	-12.2370
-12.2247	-11.9335	-11.9217	-11.7138	-11.2186	-11.1474	-11.1464	-11.0486
-10.9426	-10.9415	-10.8382	-10.8359	-10.8081	-10.5424	-10.5363	-10.4441
-9.5889	-9.2884	-9.2732	-9.2471	-9.1191	-9.1181	-8.9455	-8.9034
-8.9020	-8.8714	-8.8664	-8.8144	-8.4706	-8.4691	-8.4682	-8.4599
-8.1116	-8.1111	-8.0271	-7.9949	-7.9876	-7.9121	-7.9080	-7.7491
-7.7477	-7.6924	-7.6900	-7.4771	-7.4735	-7.3761	-7.3745	-7.2815
-7.2583	-7.2578	-7.1720	-7.1716	-6.9718	-6.9703	-6.6707	-6.6645
-6.5369	-6.5359	-6.3471	-6.3411	-6.0579	-6.0568	-5.9327	-5.9322
-5.7698	-5.7687	-4.6279	-4.4985	-4.4426	-4.4401	-4.3517	-4.3508
-4.3245	-4.3083	-4.0968	-4.0957	-4.0633	-4.0503	-4.0492	-4.0468
-3.9746	-3.9743	-3.9562	-3.9443	-3.8723	-3.8478	-3.8468	-3.8014
0.4564	0.5035	0.5055	1.3578	1.3814	1.5653	1.5859	1.8950
1.9856	2.0086	2.1297	2.2178	2.2278	2.2481	2.2484	2.5959
2.6911	3.1539	3.2344	3.2506	3.2744	3.2756	3.4914	3.4922
3.5298	3.5563						

k = 0.0357-0.0619 0.0000 ( 64779 PWs) bands (ev):



-21.5763	-21.4672	-20.3120	-20.3105	-20.1919	-20.1868	-20.1793	-20.1788
-20.0495	-20.0479	-20.0243	-20.0235	-19.8620	-19.8573	-18.2591	-18.1704
-18.1687	-18.0002	-17.9986	-17.9433	-17.9432	-17.9273	-17.9185	-17.3391
-17.1826	-17.1797	-16.8725	-16.8693	-16.7187	-15.9833	-15.9790	-15.8590
-15.1552	-15.0382	-15.0375	-12.3816	-12.3647	-12.3646	-12.2839	-12.2111
-12.1987	-11.9382	-11.9263	-11.7447	-11.2008	-11.1340	-11.1330	-11.0194
-10.9496	-10.9485	-10.8349	-10.8325	-10.8312	-10.5682	-10.5624	-10.4752
-9.5891	-9.2471	-9.2333	-9.2265	-9.1131	-9.1121	-8.9471	-8.9189
-8.9175	-8.8714	-8.8664	-8.8369	-8.5088	-8.5004	-8.4345	-8.4330
-8.1110	-8.1105	-8.0210	-7.9944	-7.9871	-7.8920	-7.8879	-7.7848
-7.7834	-7.6941	-7.6917	-7.5003	-7.4967	-7.3572	-7.3556	-7.2769
-7.2581	-7.2576	-7.1735	-7.1731	-6.9933	-6.9917	-6.6536	-6.6474
-6.5310	-6.5301	-6.3623	-6.3564	-6.0428	-6.0417	-5.9284	-5.9279
-5.7835	-5.7825	-4.5914	-4.4695	-4.4251	-4.4226	-4.3378	-4.3369
-4.3188	-4.3050	-4.1124	-4.1114	-4.0665	-4.0643	-4.0583	-4.0477
-3.9835	-3.9701	-3.9698	-3.9456	-3.9086	-3.8411	-3.8402	-3.8031
0.4566	0.4945	0.4966	1.3558	1.4224	1.5883	1.6090	1.8931
1.9668	1.9898	2.1277	2.1849	2.2173	2.2418	2.2419	2.5940
2.6891	3.1799	3.2574	3.2737	3.2901	3.2913	3.4894	3.4902
3.5279	3.5441						

k = 0.0317-0.0550 0.0000 ( 64763 PWs) bands (ev):

-21.5775	-21.4683	-20.2983	-20.2967	-20.1803	-20.1798	-20.1748	-20.1697
-20.0649	-20.0633	-20.0256	-20.0247	-19.8815	-19.8768	-18.2394	-18.1609
-18.1593	-18.0096	-18.0080	-17.9410	-17.9407	-17.9361	-17.9280	-17.3055
-17.1665	-17.1636	-16.8908	-16.8876	-16.7539	-15.9623	-15.9578	-15.8601
-15.1563	-15.0612	-15.0605	-12.3823	-12.3689	-12.3688	-12.2549	-12.1862
-12.1737	-11.9438	-11.9318	-11.7754	-11.1827	-11.1210	-11.1200	-10.9900
-10.9569	-10.9558	-10.8540	-10.8304	-10.8280	-10.5931	-10.5876	-10.5062
-9.5895	-9.2059	-9.2058	-9.1932	-9.1067	-9.1056	-8.9486	-8.9339
-8.9326	-8.8714	-8.8664	-8.8594	-8.5494	-8.5410	-8.3983	-8.3968
-8.1104	-8.1099	-8.0154	-7.9940	-7.9867	-7.8718	-7.8678	-7.8203
-7.8189	-7.6956	-7.6932	-7.5233	-7.5197	-7.3381	-7.3366	-7.2728
-7.2580	-7.2575	-7.1749	-7.1745	-7.0146	-7.0131	-6.6366	-6.6305
-6.5258	-6.5250	-6.3777	-6.3717	-6.0278	-6.0267	-5.9246	-5.9241
-5.7973	-5.7962	-4.5548	-4.4406	-4.4075	-4.4050	-4.3238	-4.3230
-4.3138	-4.3021	-4.1283	-4.1274	-4.0834	-4.0815	-4.0538	-4.0454
-4.0112	-3.9661	-3.9659	-3.9467	-3.9448	-3.8351	-3.8341	-3.8047
0.4568	0.4865	0.4886	1.3540	1.4634	1.6111	1.6319	1.8913
1.9477	1.9706	2.1259	2.1418	2.2169	2.2361	2.2364	2.5922
2.6873	3.2062	3.2807	3.2969	3.3058	3.3070	3.4876	3.4885
3.5261	3.5317						

k = 0.0278-0.0481 0.0000 ( 64757 PWs) bands (ev):

-21.5786	-21.4692	-20.2844	-20.2829	-20.1811	-20.1807	-20.1575	-20.1525
-20.0801	-20.0786	-20.0267	-20.0258	-19.9009	-19.8961	-18.2197	-18.1515
-18.1499	-18.0190	-18.0173	-17.9546	-17.9385	-17.9383	-17.9286	-17.2718
-17.1502	-17.1473	-16.9090	-16.9059	-16.7891	-15.9428	-15.9382	-15.8610
-15.1573	-15.0825	-15.0818	-12.3829	-12.3726	-12.3726	-12.2258	-12.1623
-12.1498	-11.9504	-11.9383	-11.8061	-11.1643	-11.1082	-11.1072	-10.9645
-10.9634	-10.9605	-10.8766	-10.8249	-10.8224	-10.6169	-10.6117	-10.5371
-9.5900	-9.1850	-9.1647	-9.1528	-9.0997	-9.0986	-8.9499	-8.9485
-8.9471	-8.8819	-8.8714	-8.8664	-8.5901	-8.5816	-8.3621	-8.3606
-8.1100	-8.1095	-8.0105	-7.9936	-7.9863	-7.8591	-7.8586	-7.8475
-7.8444	-7.6969	-7.6945	-7.5462	-7.5425	-7.3189	-7.3174	-7.2692
-7.2578	-7.2574	-7.1761	-7.1757	-7.0358	-7.0343	-6.6197	-6.6135
-6.5211	-6.5204	-6.3931	-6.3871	-6.0128	-6.0118	-5.9211	-5.9206
-5.8112	-5.8101	-4.5183	-4.4117	-4.3898	-4.3874	-4.3104	-4.3092
-4.3084	-4.2994	-4.1445	-4.1436	-4.1001	-4.0983	-4.0499	-4.0434
-4.0394	-3.9808	-3.9626	-3.9622	-3.9476	-3.8297	-3.8288	-3.8060

0.4570	0.4794	0.4815	1.3525	1.5045	1.6338	1.6546	1.8898
1.9284	1.9513	2.0989	2.1244	2.2165	2.2312	2.2314	2.5907
2.6858	3.2327	3.3041	3.3204	3.3212	3.3224	3.4860	3.4869
3.5190	3.5203						

k = 0.0238-0.0412 0.0000 ( 64741 PWs)      bands (ev):

-21.5796	-21.4700	-20.2704	-20.2689	-20.1819	-20.1815	-20.1401	-20.1351
-20.0953	-20.0938	-20.0276	-20.0268	-19.9201	-19.9153	-18.2001	-18.1420
-18.1404	-18.0284	-18.0268	-17.9727	-17.9366	-17.9364	-17.9292	-17.2379
-17.1338	-17.1309	-16.9271	-16.9239	-16.8242	-15.9251	-15.9204	-15.8618
-15.1582	-15.1018	-15.1010	-12.3835	-12.3759	-12.3758	-12.1966	-12.1395
-12.1269	-11.9580	-11.9457	-11.8367	-11.1456	-11.0957	-11.0947	-10.9725
-10.9714	-10.9309	-10.8989	-10.8182	-10.8156	-10.6397	-10.6347	-10.5680
-9.5905	-9.1640	-9.1235	-9.1123	-9.0922	-9.0911	-8.9625	-8.9612
-8.9510	-8.9042	-8.8713	-8.8664	-8.6309	-8.6223	-8.3259	-8.3244
-8.1096	-8.1091	-8.0063	-7.9932	-7.9860	-7.8931	-7.8916	-7.8296
-7.8256	-7.6980	-7.6956	-7.5690	-7.5653	-7.2996	-7.2980	-7.2660
-7.2577	-7.2573	-7.1772	-7.1768	-7.0569	-7.0554	-6.6029	-6.5967
-6.5171	-6.5164	-6.4086	-6.4026	-5.9980	-5.9969	-5.9183	-5.9177
-5.8251	-5.8240	-4.4817	-4.3828	-4.3721	-4.3697	-4.3057	-4.2974
-4.2953	-4.2947	-4.1611	-4.1601	-4.1164	-4.1149	-4.0684	-4.0464
-4.0416	-4.0160	-3.9595	-3.9592	-3.9485	-3.8250	-3.8241	-3.8072
0.4572	0.4732	0.4753	1.3511	1.5456	1.6562	1.6770	1.8884
1.9089	1.9317	2.0561	2.1230	2.2162	2.2269	2.2272	2.5894
2.6845	3.2595	3.3277	3.3365	3.3377	3.3439	3.4845	3.4855
3.5063	3.5075						

k = 0.0198-0.0344 0.0000 ( 64721 PWs)      bands (ev):

-21.5804	-21.4707	-20.2564	-20.2548	-20.1826	-20.1821	-20.1226	-20.1176
-20.1104	-20.1089	-20.0284	-20.0276	-19.9392	-19.9344	-18.1806	-18.1326
-18.1310	-18.0378	-18.0362	-17.9910	-17.9350	-17.9348	-17.9297	-17.2040
-17.1173	-17.1144	-16.9450	-16.9419	-16.8592	-15.9094	-15.9046	-15.8625
-15.1589	-15.1188	-15.1180	-12.3840	-12.3786	-12.3785	-12.1673	-12.1178
-12.1052	-11.9667	-11.9543	-11.8671	-11.1266	-11.0836	-11.0826	-10.9808
-10.9798	-10.9210	-10.9013	-10.8103	-10.8076	-10.6614	-10.6567	-10.5987
-9.5910	-9.1429	-9.0842	-9.0831	-9.0823	-9.0717	-8.9761	-8.9748
-8.9519	-8.9264	-8.8713	-8.8664	-8.6717	-8.6630	-8.2897	-8.2883
-8.1092	-8.1087	-8.0027	-7.9930	-7.9857	-7.9288	-7.9274	-7.8090
-7.8050	-7.6990	-7.6966	-7.5916	-7.5878	-7.2801	-7.2786	-7.2634
-7.2576	-7.2572	-7.1781	-7.1777	-7.0779	-7.0763	-6.5862	-6.5800
-6.5137	-6.5131	-6.4243	-6.4182	-5.9832	-5.9821	-5.9158	-5.9152
-5.8391	-5.8380	-4.4452	-4.3545	-4.3542	-4.3516	-4.3024	-4.2952
-4.2812	-4.2806	-4.1779	-4.1768	-4.1323	-4.1311	-4.0982	-4.0505
-4.0435	-4.0401	-3.9569	-3.9566	-3.9492	-3.8210	-3.8201	-3.8082
0.4573	0.4680	0.4701	1.3500	1.5867	1.6785	1.6993	1.8873
1.8891	1.9119	2.0135	2.1219	2.2159	2.2233	2.2236	2.5883
2.6833	3.2866	3.3514	3.3518	3.3529	3.3677	3.4832	3.4843
3.4934	3.4945						

k = 0.0159-0.0275 0.0000 ( 64687 PWs)      bands (ev):

-21.5811	-21.4713	-20.2422	-20.2407	-20.1831	-20.1827	-20.1255	-20.1239
-20.1049	-20.0999	-20.0290	-20.0282	-19.9582	-19.9534	-18.1611	-18.1231
-18.1215	-18.0473	-18.0456	-18.0094	-17.9338	-17.9334	-17.9300	-17.1700
-17.1007	-17.0977	-16.9628	-16.9597	-16.8941	-15.8961	-15.8912	-15.8630
-15.1595	-15.1332	-15.1324	-12.3844	-12.3809	-12.3807	-12.1379	-12.0972
-12.0847	-11.9764	-11.9639	-11.8974	-11.1073	-11.0717	-11.0707	-10.9895
-10.9885	-10.9428	-10.8715	-10.8011	-10.7983	-10.6819	-10.6775	-10.6294
-9.5914	-9.1217	-9.0757	-9.0746	-9.0412	-9.0311	-8.9892	-8.9879
-8.9526	-8.9485	-8.8713	-8.8664	-8.7125	-8.7038	-8.2536	-8.2521

-8.1089	-8.1084	-7.9998	-7.9927	-7.9855	-7.9648	-7.9633	-7.7880
-7.7840	-7.6998	-7.6974	-7.6140	-7.6102	-7.2612	-7.2605	-7.2590
-7.2575	-7.2571	-7.1788	-7.1784	-7.0987	-7.0971	-6.5696	-6.5634
-6.5109	-6.5103	-6.4400	-6.4339	-5.9685	-5.9674	-5.9137	-5.9132
-5.8532	-5.8521	-4.4088	-4.3366	-4.3345	-4.3249	-4.2998	-4.2935
-4.2669	-4.2663	-4.1949	-4.1938	-4.1481	-4.1471	-4.1291	-4.0841
-4.0411	-4.0389	-3.9548	-3.9545	-3.9497	-3.8178	-3.8168	-3.8090
0.4574	0.4637	0.4658	1.3490	1.6278	1.7007	1.7214	1.8691
1.8864	1.8918	1.9711	2.1209	2.2157	2.2203	2.2206	2.5874
2.6824	3.3139	3.3667	3.3679	3.3753	3.3915	3.4791	3.4802
3.4835	3.4842						

k = 0.0119-0.0206 0.0000 ( 64669 PWs) bands (ev):

-21.5816	-21.4717	-20.2279	-20.2264	-20.1835	-20.1831	-20.1404	-20.1388
-20.0871	-20.0821	-20.0296	-20.0287	-19.9770	-19.9722	-18.1418	-18.1136
-18.1120	-18.0567	-18.0551	-18.0280	-17.9329	-17.9324	-17.9302	-17.1359
-17.0839	-17.0809	-16.9805	-16.9774	-16.9289	-15.8853	-15.8803	-15.8634
-15.1600	-15.1448	-15.1439	-12.3848	-12.3826	-12.3824	-12.1086	-12.0779
-12.0655	-11.9873	-11.9747	-11.9276	-11.0878	-11.0603	-11.0592	-10.9986
-10.9975	-10.9644	-10.8416	-10.7907	-10.7877	-10.7012	-10.6970	-10.6599
-9.5918	-9.1005	-9.0667	-9.0656	-9.0018	-9.0005	-9.0001	-8.9905
-8.9705	-8.9530	-8.8713	-8.8664	-8.7534	-8.7445	-8.2174	-8.2159
-8.1087	-8.1082	-8.0007	-7.9993	-7.9975	-7.9926	-7.9853	-7.7669
-7.7629	-7.7004	-7.6980	-7.6363	-7.6325	-7.2595	-7.2575	-7.2570
-7.2407	-7.2392	-7.1794	-7.1790	-7.1194	-7.1178	-6.5530	-6.5470
-6.5087	-6.5082	-6.4558	-6.4497	-5.9539	-5.9528	-5.9121	-5.9116
-5.8673	-5.8662	-4.3725	-4.3189	-4.3168	-4.2977	-4.2962	-4.2919
-4.2525	-4.2520	-4.2122	-4.2109	-4.1643	-4.1630	-4.1602	-4.1165
-4.0393	-4.0379	-3.9532	-3.9528	-3.9502	-3.8153	-3.8143	-3.8096
0.4573	0.4605	0.4626	1.3483	1.6684	1.7229	1.7431	1.8491
1.8716	1.8857	1.9291	2.1202	2.2155	2.2181	2.2184	2.5866
2.6817	3.3414	3.3815	3.3827	3.3992	3.4153	3.4662	3.4674
3.4818	3.4832						

k = 0.0079-0.0137 0.0000 ( 64667 PWs) bands (ev):

-21.5820	-21.4721	-20.2136	-20.2121	-20.1838	-20.1834	-20.1552	-20.1536
-20.0691	-20.0642	-20.0299	-20.0291	-19.9956	-19.9908	-18.1226	-18.1042
-18.1025	-18.0662	-18.0646	-18.0466	-17.9323	-17.9316	-17.9302	-17.1016
-17.0670	-17.0640	-16.9980	-16.9950	-16.9636	-15.8775	-15.8724	-15.8637
-15.1604	-15.1533	-15.1524	-12.3852	-12.3839	-12.3834	-12.0793	-12.0596
-12.0475	-11.9993	-11.9865	-11.9575	-11.0679	-11.0491	-11.0481	-11.0080
-11.0069	-10.9856	-10.8116	-10.7791	-10.7758	-10.7193	-10.7154	-10.6903
-9.5920	-9.0791	-9.0572	-9.0560	-9.0139	-9.0127	-8.9924	-8.9594
-8.9558	-8.9470	-8.8713	-8.8664	-8.7943	-8.7853	-8.1813	-8.1798
-8.1086	-8.1081	-8.0368	-8.0353	-7.9959	-7.9924	-7.9851	-7.7456
-7.7416	-7.7008	-7.6984	-7.6584	-7.6545	-7.2584	-7.2573	-7.2569
-7.2209	-7.2194	-7.1798	-7.1794	-7.1399	-7.1384	-6.5366	-6.5306
-6.5071	-6.5066	-6.4717	-6.4656	-5.9393	-5.9382	-5.9110	-5.9104
-5.8815	-5.8804	-4.3365	-4.3017	-4.2998	-4.2951	-4.2908	-4.2670
-4.2382	-4.2377	-4.2294	-4.2282	-4.1949	-4.1786	-4.1779	-4.1479
-4.0379	-4.0372	-3.9521	-3.9516	-3.9504	-3.8135	-3.8125	-3.8099
0.4570	0.4583	0.4604	1.3478	1.7079	1.7453	1.7645	1.8291
1.8513	1.8851	1.8877	2.1197	2.2153	2.2164	2.2168	2.5861
2.6811	3.3691	3.3961	3.3973	3.4230	3.4387	3.4527	3.4539
3.4809	3.4823						

k = 0.0040-0.0069 0.0000 ( 64673 PWs) bands (ev):

-21.5822	-21.4722	-20.1992	-20.1977	-20.1840	-20.1835	-20.1699	-20.1683
-20.0510	-20.0462	-20.0301	-20.0293	-20.0141	-20.0093	-18.1035	-18.0947

```

-18.0931 -18.0757 -18.0740 -18.0654 -17.9321 -17.9312 -17.9301 -17.0674
-17.0500 -17.0469 -17.0154 -17.0125 -16.9982 -15.8726 -15.8676 -15.8639
-15.1606 -15.1585 -15.1575 -12.3855 -12.3846 -12.3840 -12.0513 -12.0421
-12.0310 -12.0122 -11.9994 -11.9868 -11.0478 -11.0383 -11.0373 -11.0177
-11.0167 -11.0066 -10.7817 -10.7661 -10.7626 -10.7360 -10.7325 -10.7206
-9.5922 -9.0576 -9.0471 -9.0459 -9.0255 -9.0243 -9.0142 -8.9546
-8.9179 -8.9083 -8.8714 -8.8665 -8.8351 -8.8258 -8.1451 -8.1437
-8.1085 -8.1080 -8.0728 -8.0714 -7.9949 -7.9923 -7.9851 -7.7242
-7.7203 -7.7010 -7.6987 -7.6803 -7.6764 -7.2578 -7.2572 -7.2568
-7.2009 -7.1994 -7.1800 -7.1796 -7.1604 -7.1588 -6.5204 -6.5145
-6.5062 -6.5056 -6.4876 -6.4816 -5.9248 -5.9238 -5.9103 -5.9098
-5.8958 -5.8947 -4.3015 -4.2958 -4.2909 -4.2829 -4.2802 -4.2474
-4.2461 -4.2376 -4.2292 -4.2230 -4.2227 -4.1936 -4.1931 -4.1784
-4.0372 -4.0368 -3.9516 -3.9509 -3.9504 -3.8125 -3.8115 -3.8100
0.4561 0.4574 0.4592 1.3475 1.7428 1.7692 1.7849 1.8106
1.8313 1.8480 1.8848 2.1194 2.2151 2.2155 2.2159 2.5858
2.6808 3.3971 3.4105 3.4117 3.4388 3.4399 3.4462 3.4534
3.4609 3.4792

```

k = 0.0000 0.0000 0.0000 ( 64705 PWs) bands (ev):

```

-21.5823 -21.4723 -20.1857 -20.1848 -20.1839 -20.1836 -20.1831 -20.1818
-20.0335 -20.0330 -20.0317 -20.0283 -20.0271 -20.0268 -18.0864 -18.0858
-18.0844 -18.0839 -18.0831 -18.0826 -17.9320 -17.9310 -17.9300 -17.0345
-17.0334 -17.0327 -17.0324 -17.0298 -17.0280 -15.8710 -15.8660 -15.8639
-15.1608 -15.1602 -15.1591 -12.3857 -12.3849 -12.3841 -12.0343 -12.0272
-12.0206 -12.0182 -12.0121 -12.0081 -11.0282 -11.0280 -11.0280 -11.0272
-11.0267 -11.0258 -10.7549 -10.7532 -10.7507 -10.7498 -10.7478 -10.7458
-9.5922 -9.0371 -9.0368 -9.0362 -9.0356 -9.0351 -9.0349 -8.9546
-8.8808 -8.8750 -8.8710 -8.8695 -8.8693 -8.8597 -8.1098 -8.1092
-8.1084 -8.1082 -8.1071 -8.1068 -7.9946 -7.9923 -7.9850 -7.7052
-7.7032 -7.6998 -7.6988 -7.6984 -7.6960 -7.2577 -7.2571 -7.2568
-7.1815 -7.1810 -7.1805 -7.1795 -7.1794 -7.1774 -6.5065 -6.5060
-6.5046 -6.5040 -6.4972 -6.4969 -5.9118 -5.9113 -5.9100 -5.9094
-5.9090 -5.9072 -4.2960 -4.2912 -4.2679 -4.2678 -4.2657 -4.2626
-4.2620 -4.2592 -4.2095 -4.2091 -4.2087 -4.2079 -4.2074 -4.2071
-4.0369 -4.0367 -3.9515 -3.9507 -3.9503 -3.8122 -3.8111 -3.8100
0.4557 0.4571 0.4590 1.3474 1.7604 1.7855 1.8020 1.8031
1.8137 1.8224 1.8847 2.1193 2.2149 2.2152 2.2157 2.5857
2.6807 3.4240 3.4244 3.4255 3.4257 3.4262 3.4262 3.4624
3.4704 3.4749

```

Writing output data file A.save

```

init_run      :      29.68s CPU      30.17s WALL (      1 calls)
electrons     : 203053.87s CPU 204506.46s WALL (      1 calls)

```

Called by init\_run:

```

wfcinit      :      0.00s CPU      0.00s WALL (      1 calls)
potinit      :      3.26s CPU      3.45s WALL (      1 calls)

```

Called by electrons:

```

c_bands      : 203053.69s CPU 204506.20s WALL (      1 calls)
v_of_rho     :      2.53s CPU      2.59s WALL (      1 calls)
v_h          :      0.07s CPU      0.07s WALL (      1 calls)
v_xc         :      2.46s CPU      2.52s WALL (      1 calls)
newd         :     13.30s CPU     13.43s WALL (      1 calls)

```

Called by c\_bands:

```

init_us_2    :      16.40s CPU     17.46s WALL (     400 calls)
cegterg      : 191803.88s CPU 193180.34s WALL (    1734 calls)

```

Called by sum\_band:

Called by \*egterg:

h_psi	:	80758.39s	CPU	81230.96s	WALL (	33524	calls)
s_psi	:	26703.44s	CPU	26796.55s	WALL (	33524	calls)
g_psi	:	87.48s	CPU	88.51s	WALL (	31390	calls)
cdiaghg	:	17801.45s	CPU	17870.00s	WALL (	31790	calls)
cegterg:over	:	29713.08s	CPU	29853.53s	WALL (	31390	calls)
cegterg:upda	:	21665.92s	CPU	21877.81s	WALL (	31390	calls)
cegterg:last	:	18438.71s	CPU	18547.07s	WALL (	2934	calls)
cdiaghg:chol	:	1154.02s	CPU	1160.37s	WALL (	31790	calls)
cdiaghg:inve	:	117.46s	CPU	118.67s	WALL (	31790	calls)
cdiaghg:para	:	5926.96s	CPU	5948.74s	WALL (	63580	calls)

Called by h\_psi:

h_psi:vloc	:	27481.51s	CPU	27679.26s	WALL (	33524	calls)
h_psi:vn1	:	53183.49s	CPU	53444.05s	WALL (	33524	calls)
add_vuspsi	:	26829.17s	CPU	26931.52s	WALL (	33524	calls)

General routines

calbec	:	26353.74s	CPU	26512.27s	WALL (	33524	calls)
fft	:	1.79s	CPU	1.81s	WALL (	23	calls)
ffts	:	0.04s	CPU	0.04s	WALL (	2	calls)
fftw	:	21283.69s	CPU	21416.55s	WALL (	2578666	calls)
interpolate	:	0.16s	CPU	0.16s	WALL (	2	calls)
davcio	:	0.42s	CPU	16.17s	WALL (	400	calls)

Parallel routines

fft_scatter	:	8493.77s	CPU	8562.89s	WALL (	2578691	calls)
-------------	---	----------	-----	----------	--------	---------	--------

PWSCF	:	2d	8h24m	CPU	2d	9h 3m	WALL
-------	---	----	-------	-----	----	-------	------

This run was terminated on: 21:45:25 11Apr2021

```
=====
JOB DONE.
=====
```