box u21$

graflib:gcs02042kcs02042

17:47:0010/22/82 c

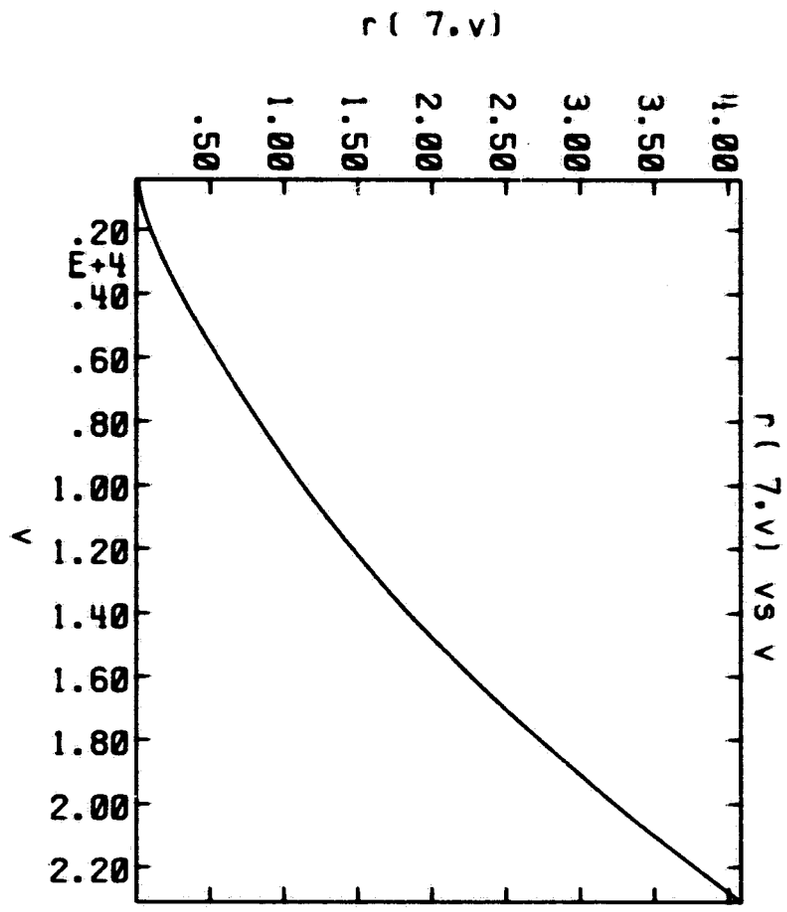
box u21$

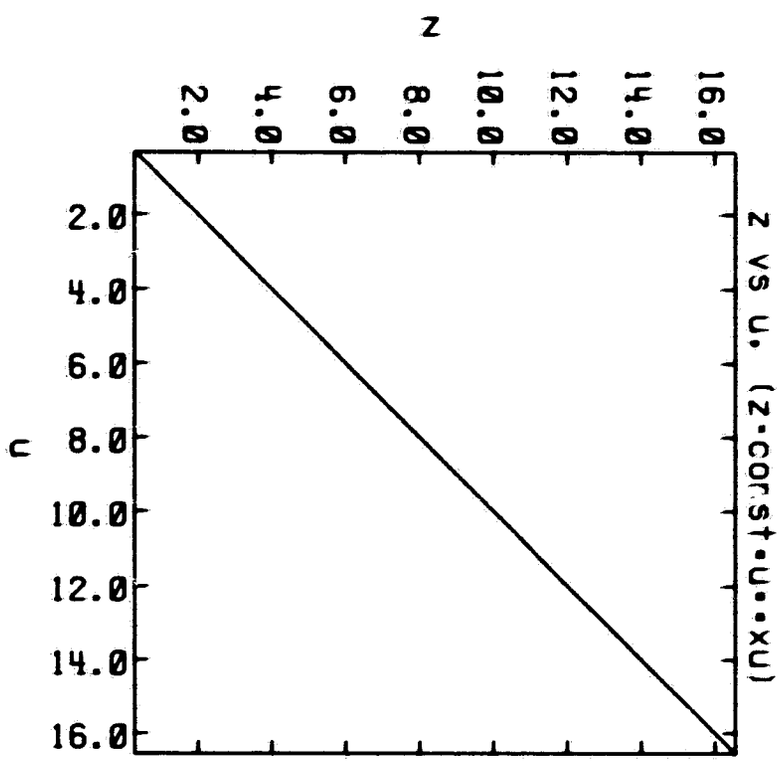
graflib:gcs02042kcs02042

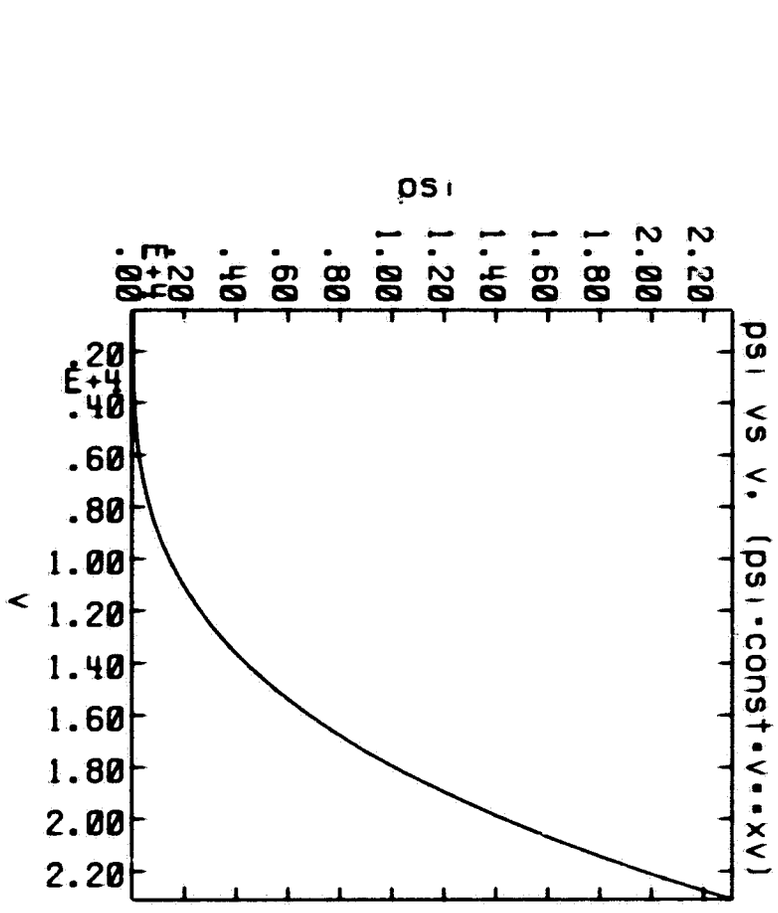
17:47:0010/22/82 c

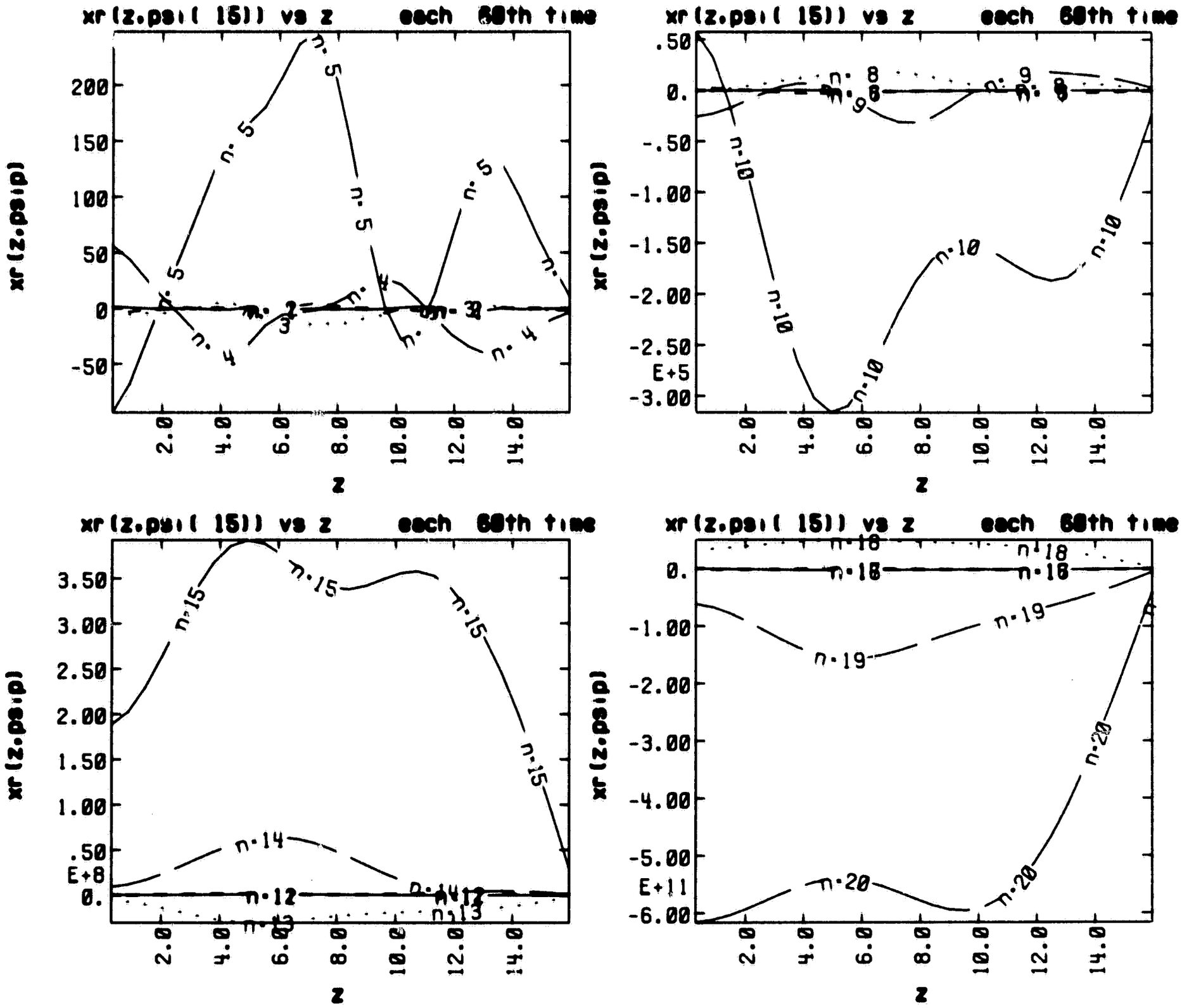
this problem run by xflr06

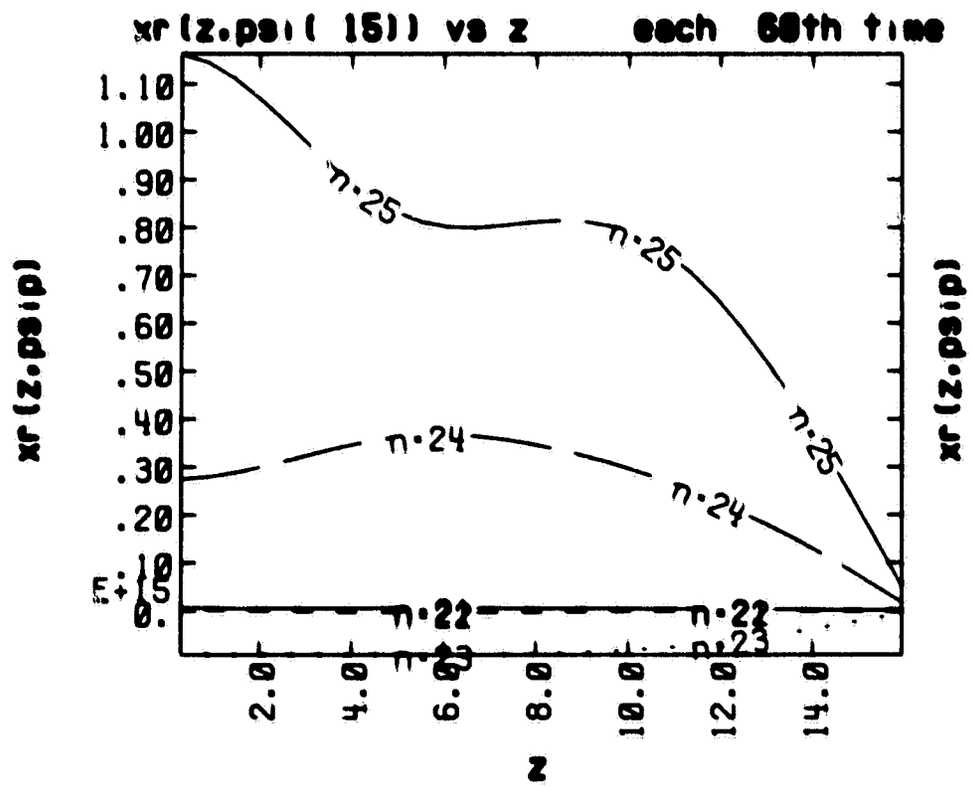
```
dt=    3.125000e-11
ix=      30
jx=      30
total time steps =    2400
no. of iterations =       4
bias=   0.01000
ratrod=    8.000000e-01
drift freq. (omegst) =  7.46038832e+08
rotation freq. (omegr) =  5.96831066e+08
e x b freq. (omegexb) =  1.34286990e+09
flr=  1.00000000e+00
sf6=  1.00000000e+00
sf8=  1.00000000e+00
enbar=  0.
kplot=     349
kzs=       1
valfk =  2.00000000e-02
     cpu time =  8.46137800e+13
     i-o time =  1.81158400e+12
     sys time =  9.18702400e+12
u exponent (xu) =    1.00000000e+00
v exponent (xv)=  3.32192809e+00
   en0=  1.00000000e+14
   b0=  1.00000000e+04
   m=  0.00000000e+00
```

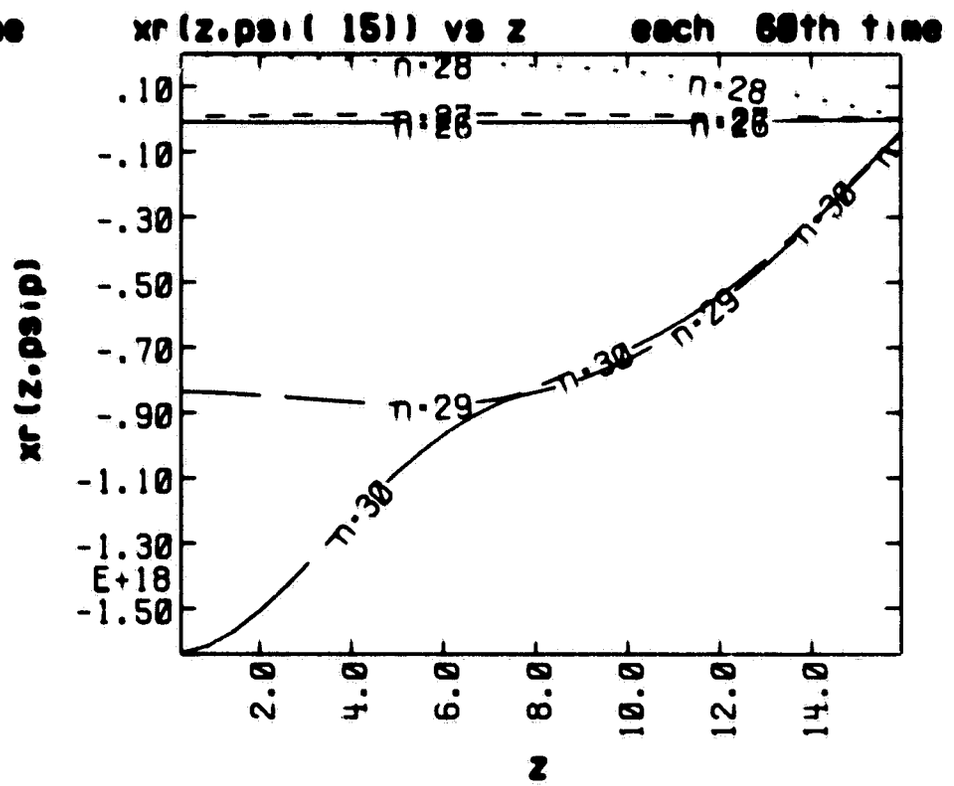

r(7,v)
.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
.20
E+4
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
v
r(7,v) vs v

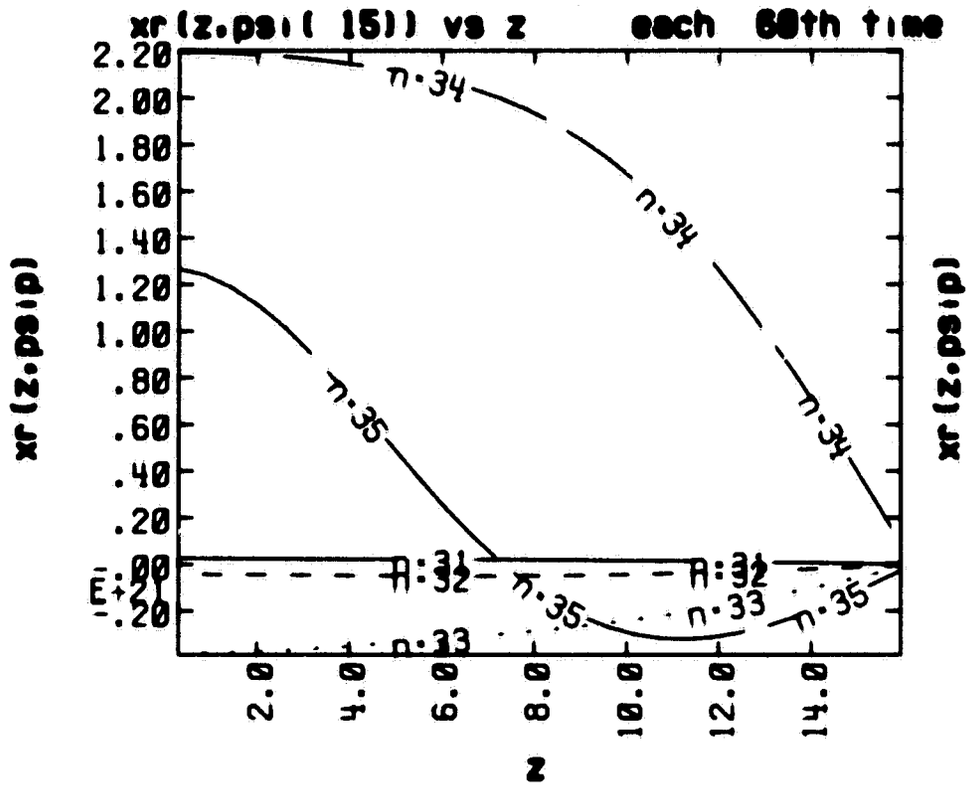

z
2.0
4.0
6.0
8.0
10.0
12.0
14.0
16.0
u
z vs u, (z-const+u**xu)

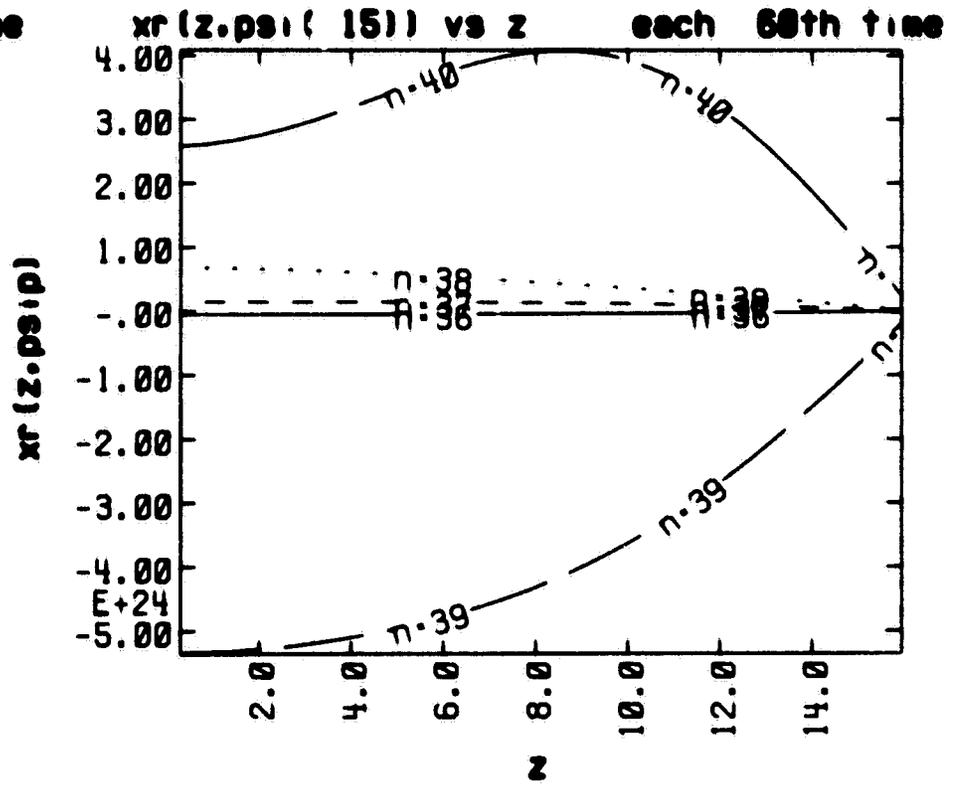

psi
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
v
psi vs v, (psi-const+v**xv)

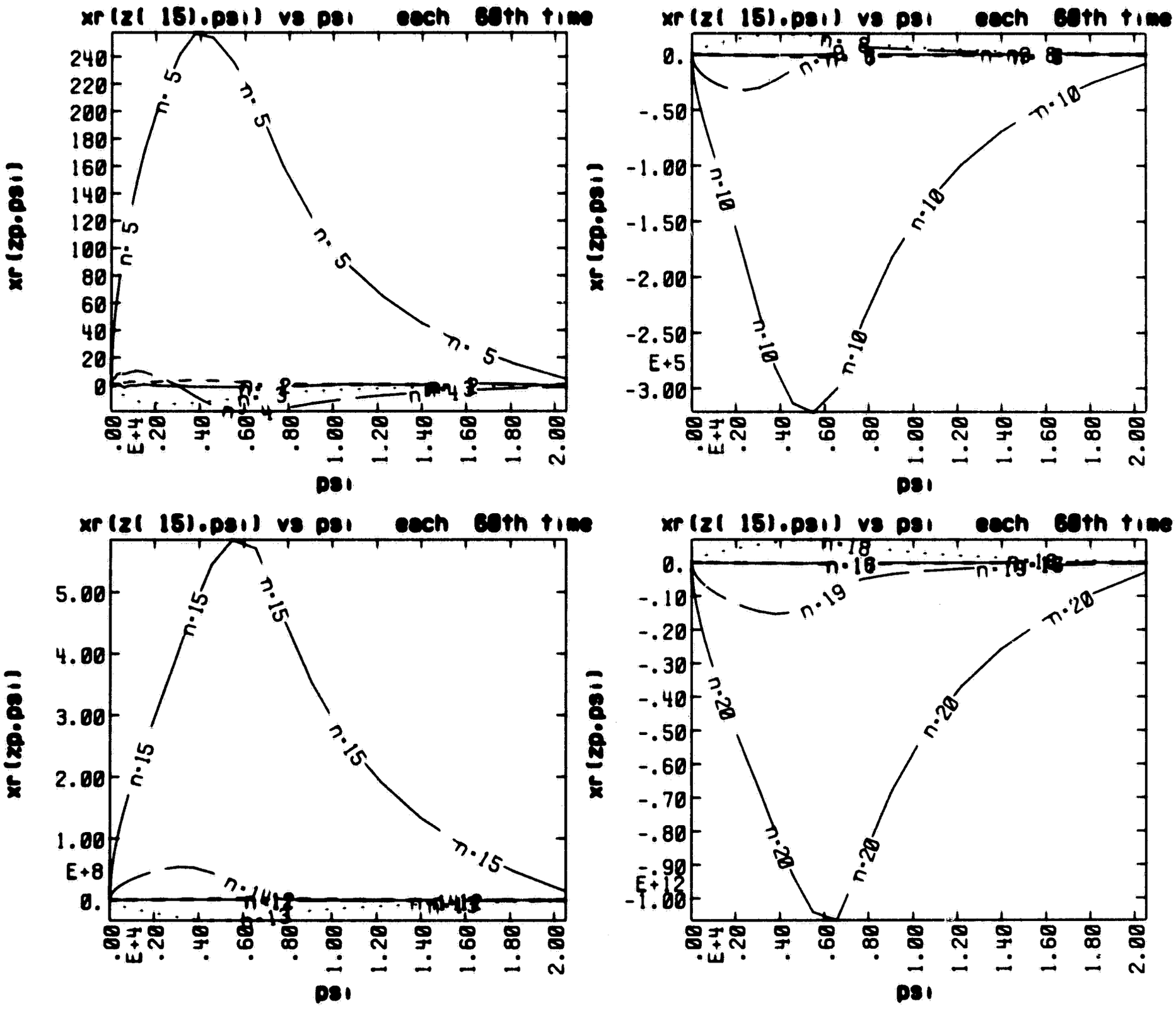

xr(z,psi(15)) vs z each 60th time
xr(z,psip)
z
n=5
n=4
n=3
n=2
n=1
n=10
n=9
n=8
n=15
n=14
n=13
n=12
n=18
n=19
n=20
E+5
E+8
E+11

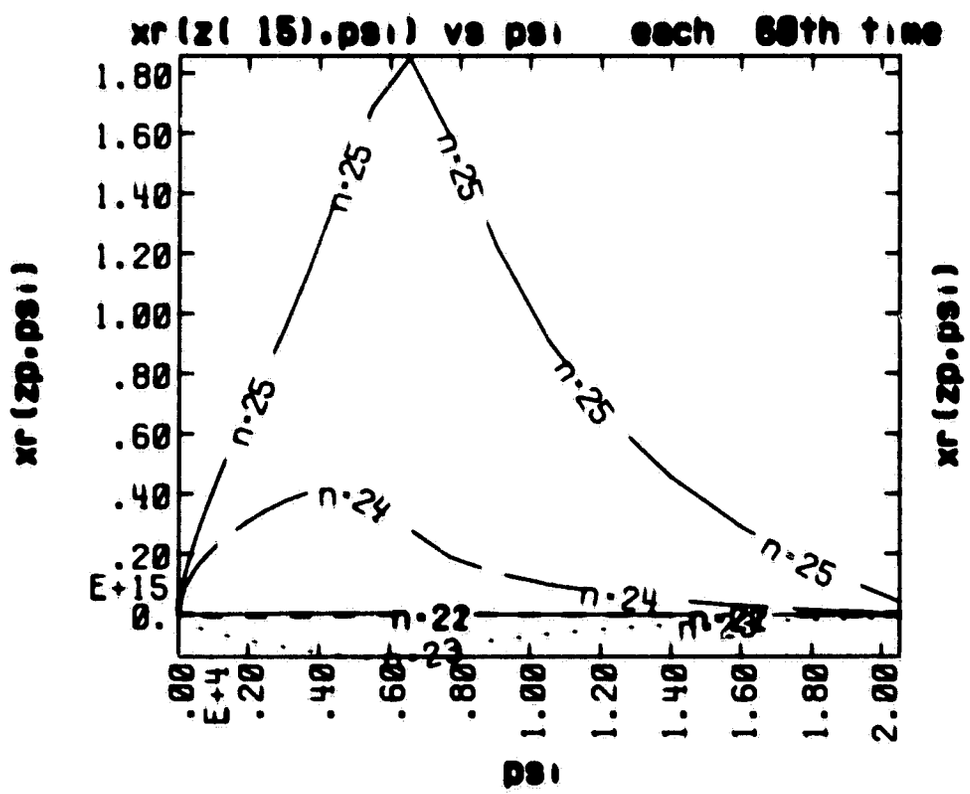

xr(z,psi(15)) vs z each 60th time
xr(z,psi(p)
1.10
1.00
.90
.80
.70
.60
.50
.40
.30
.20
.10
0.
E+15
n·25
n·24
n·22
n·23
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

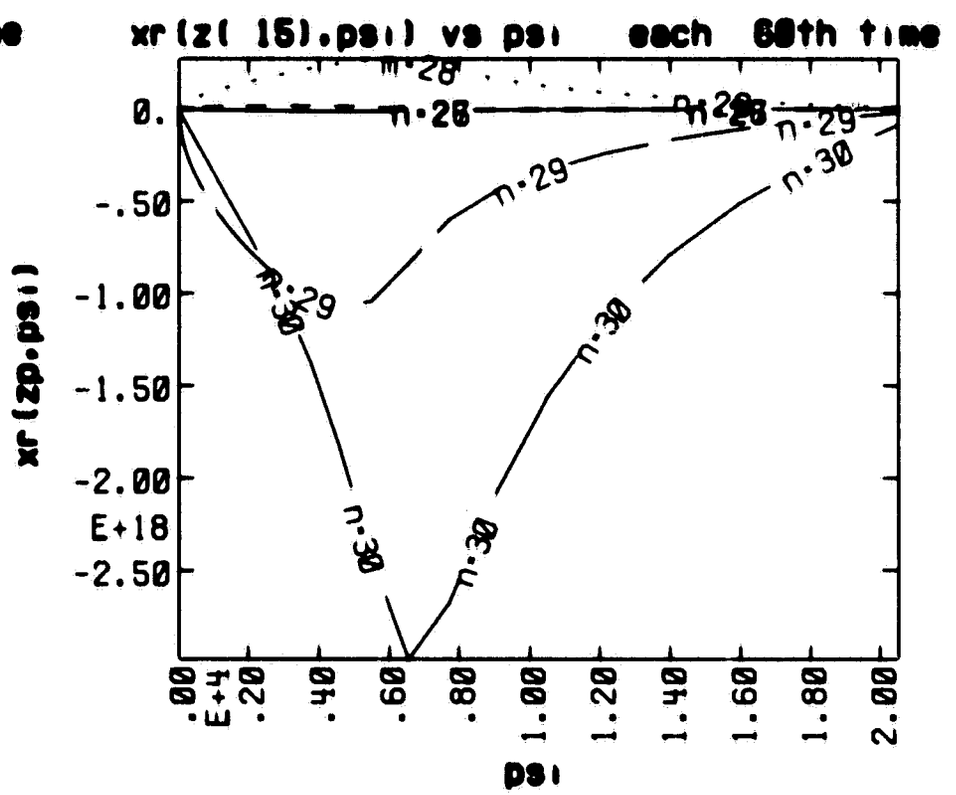

xr(z,psi(15)) vs z each 60th time
xr(z,psi(p)
.10
-.10
-.30
-.50
-.70
-.90
-1.10
-1.30
E+18
-1.50
n·28
n·27
n·26
n·25
n·29
n·30
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

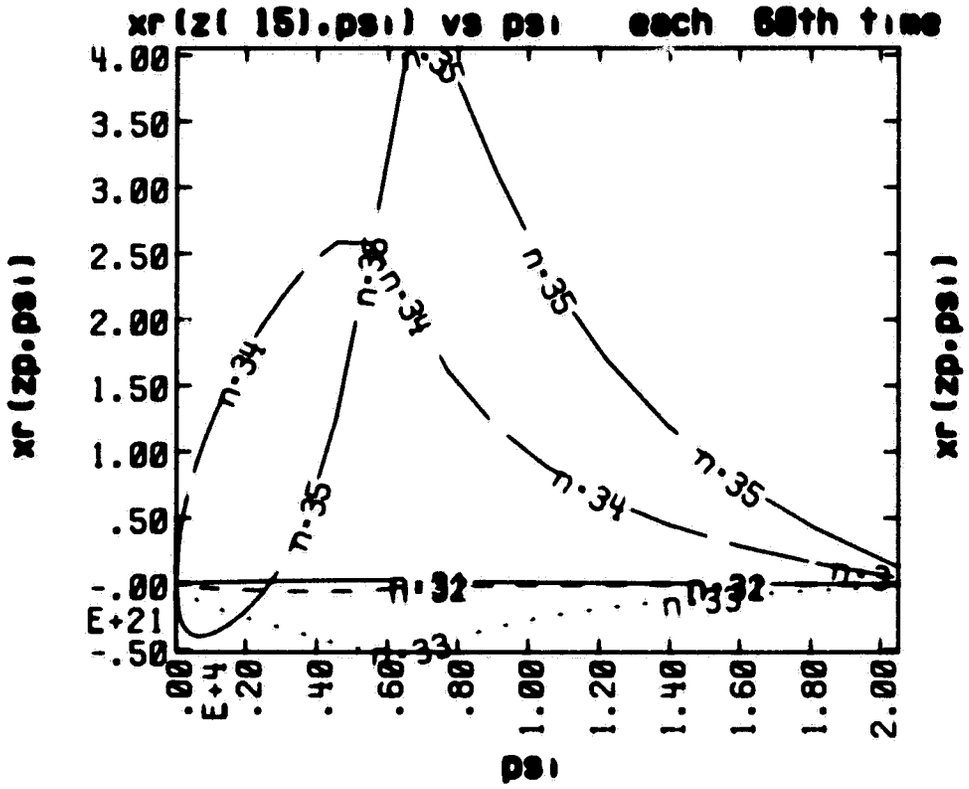

xr(z,psi(15)) vs z each 60th time
xr(z,psi(p)
2.20
2.00
1.80
1.60
1.40
1.20
1.00
.80
.60
.40
.20
.00
-.20
E+21
n·34
n·35
n·31
n·32
n·33
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

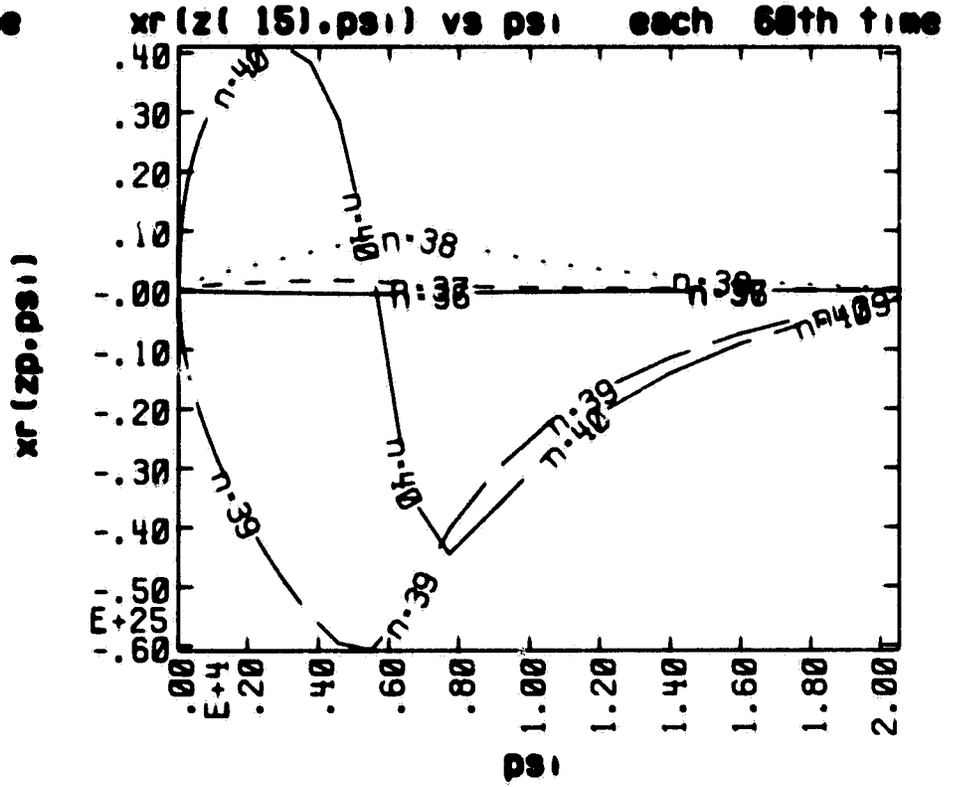

xr(z,psi(15)) vs z each 60th time
xr(z,psi(p)
4.00
3.00
2.00
1.00
-.00
-1.00
-2.00
-3.00
-4.00
E+24
-5.00
n·40
n·38
n·36
n·39
2.0
4.0
6.0
8.0
10.0
12.0
14.0
z

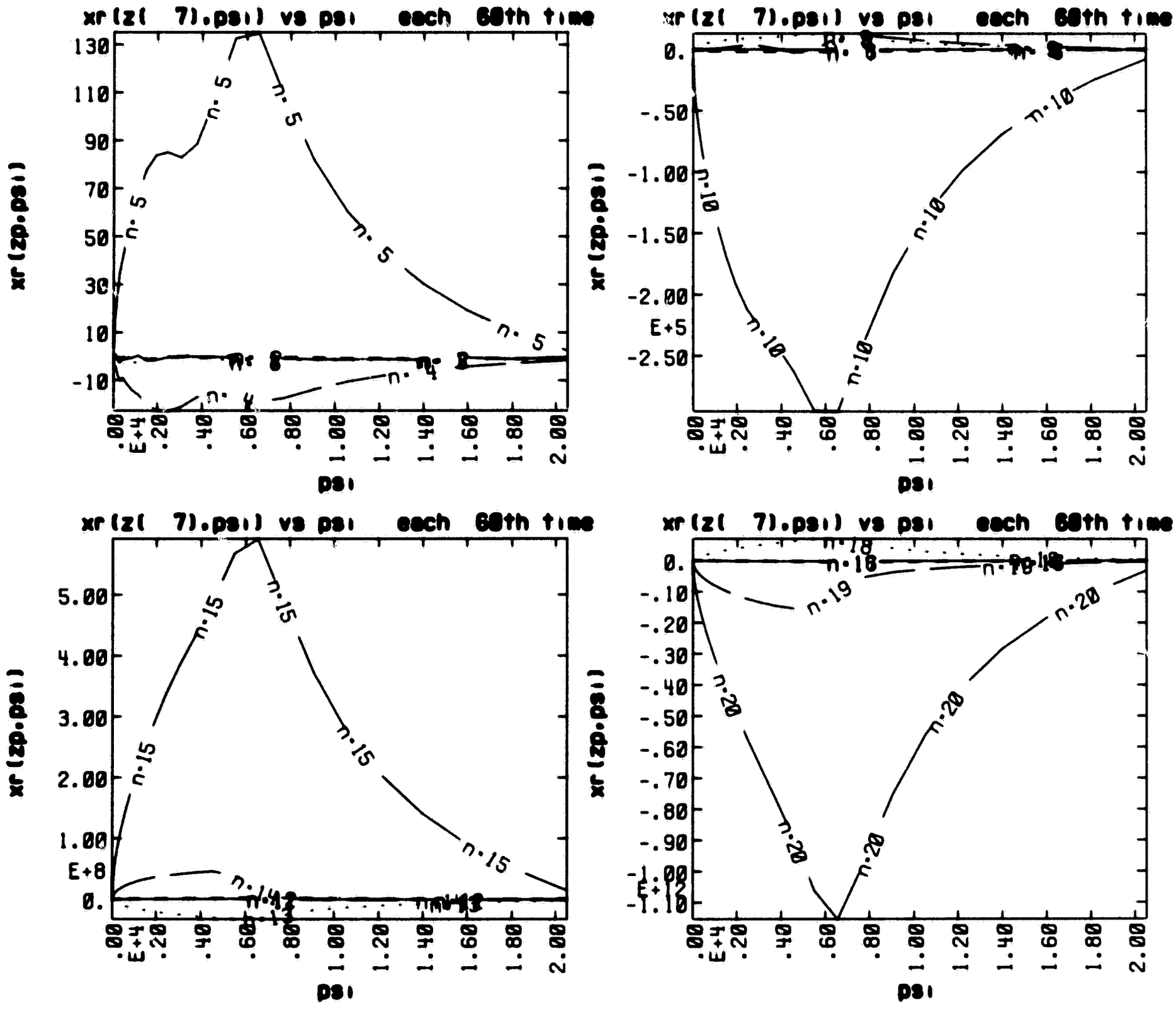

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
n=5
n=10
n=15
n=20
E+4
E+8
E+5
E+12

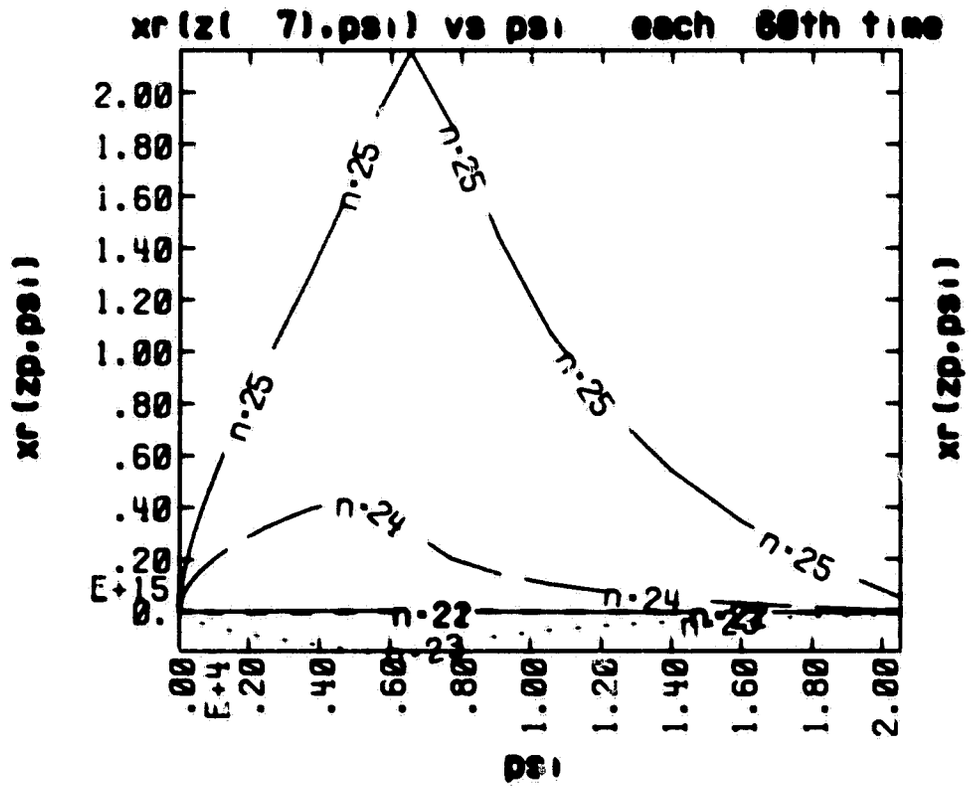

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
E+15
E+4
n=25
n=24
n=22
n=23

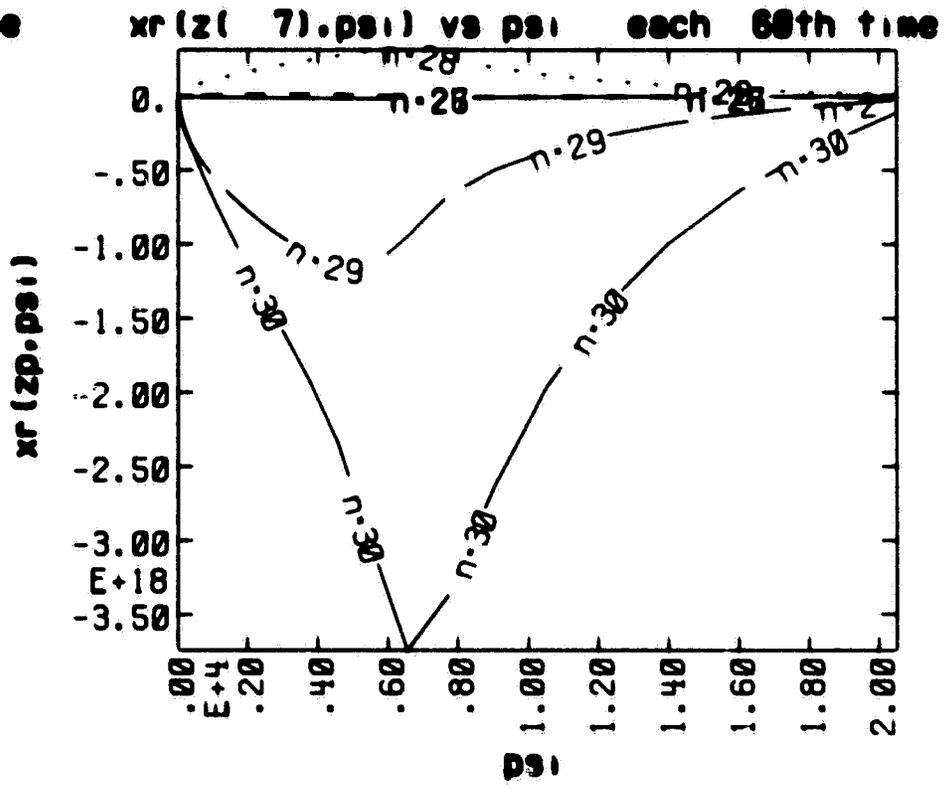

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
E+18
E+4
n=28
n=29
n=30

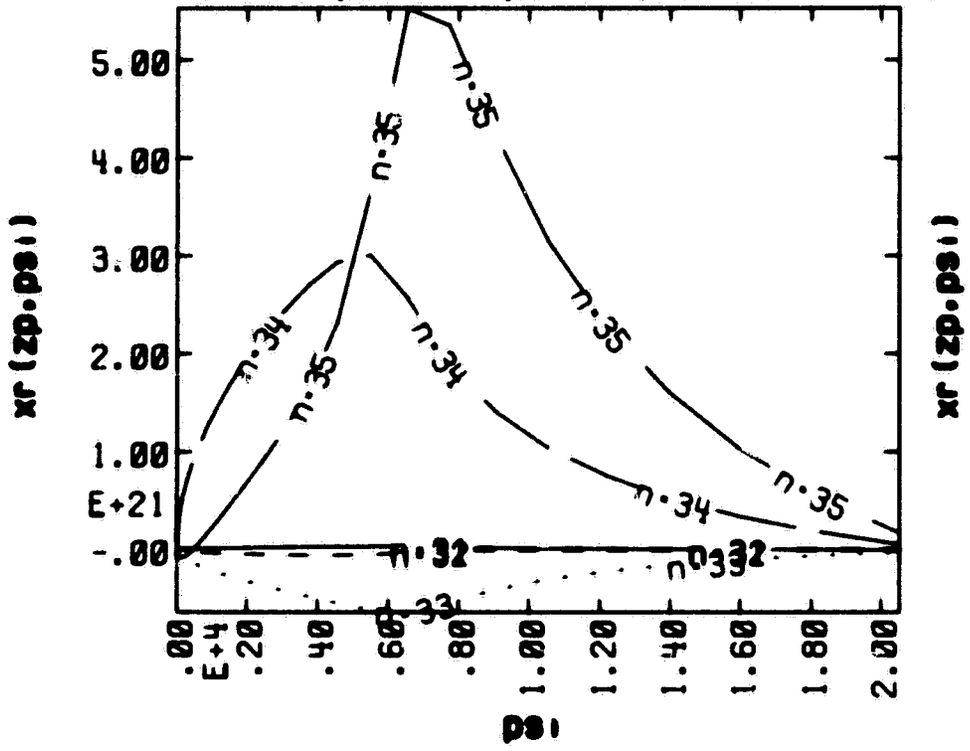

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
E+21
E+4
n=34
n=35
n=32
n=33

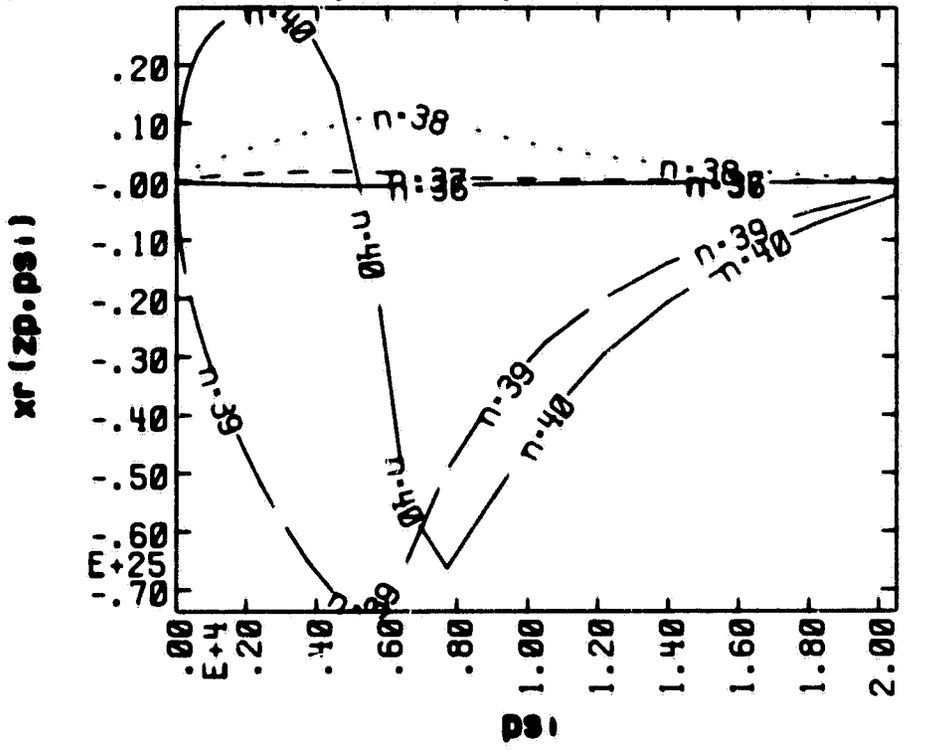

xr(z(15).psi) vs psi each 60th time
xr(zp.psi)
psi
E+25
E+4
n=38
n=39
n=40

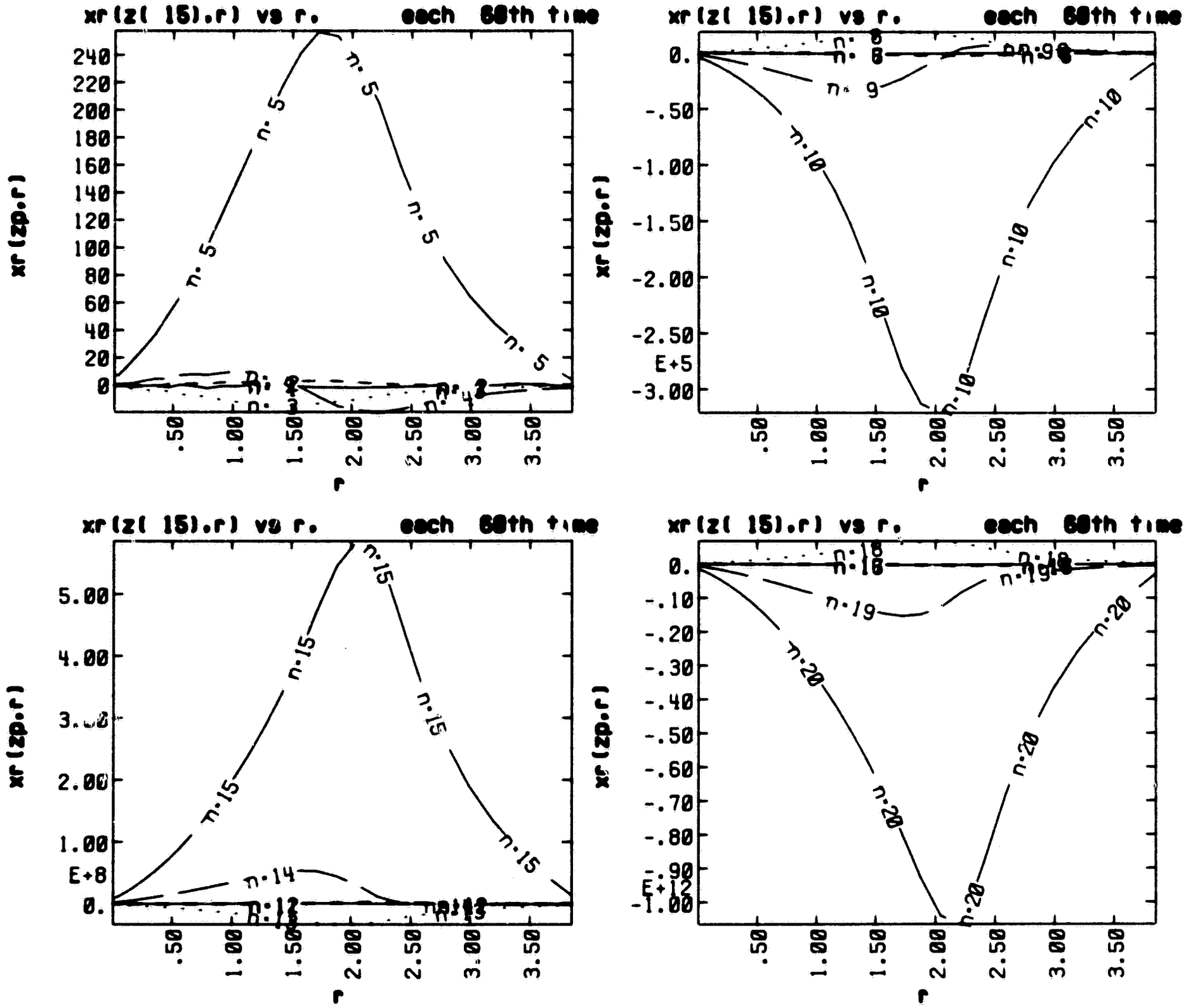

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
psi
n=5
n=10
n=15
n=20
n=19
n=18
E+4
E+5
E+8
E+12

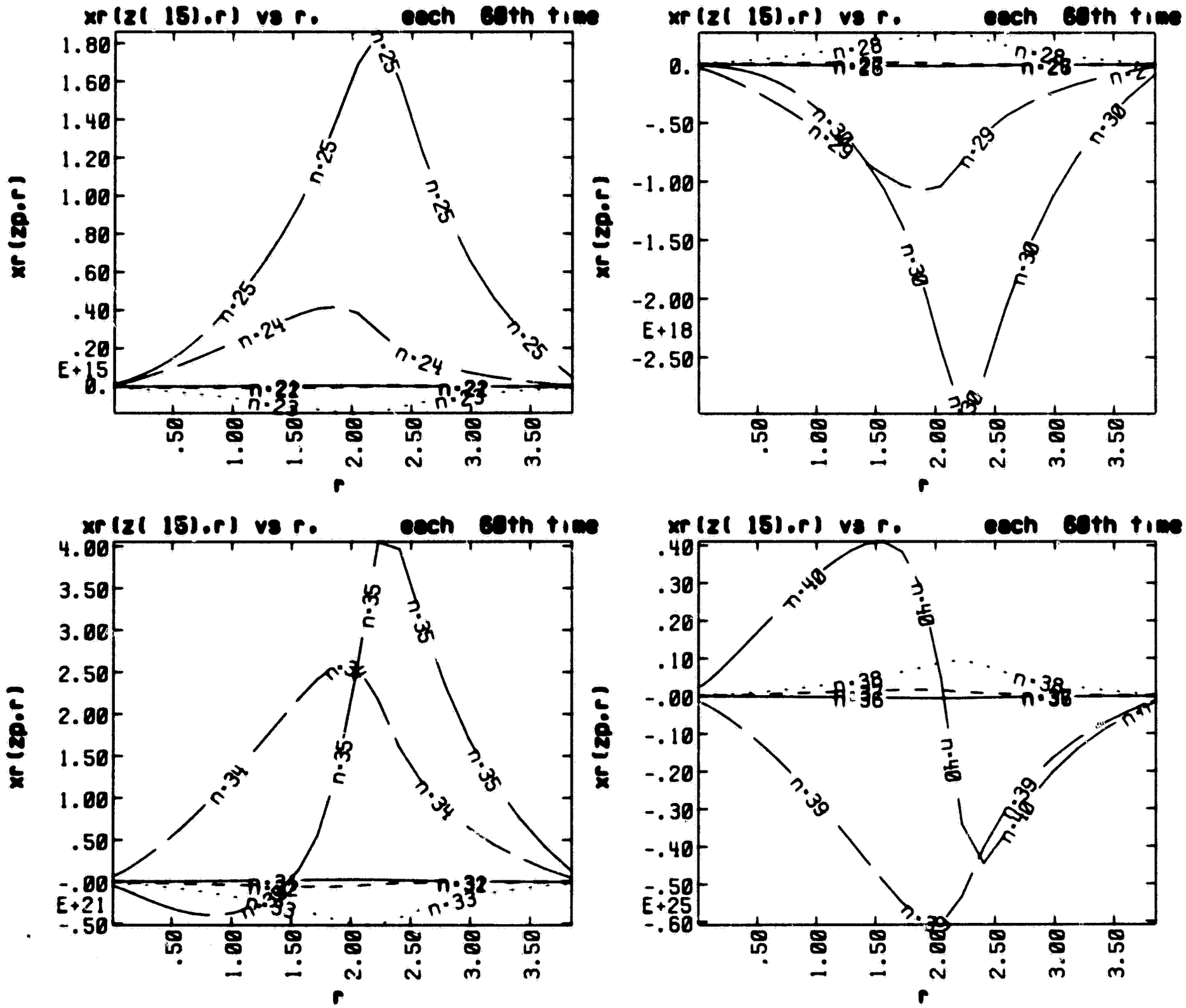

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
2.00
1.80
1.60
1.40
1.20
1.00
.80
.60
.40
.20
E+15
0.
n·25
n·24
n·22
n·23
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
psi

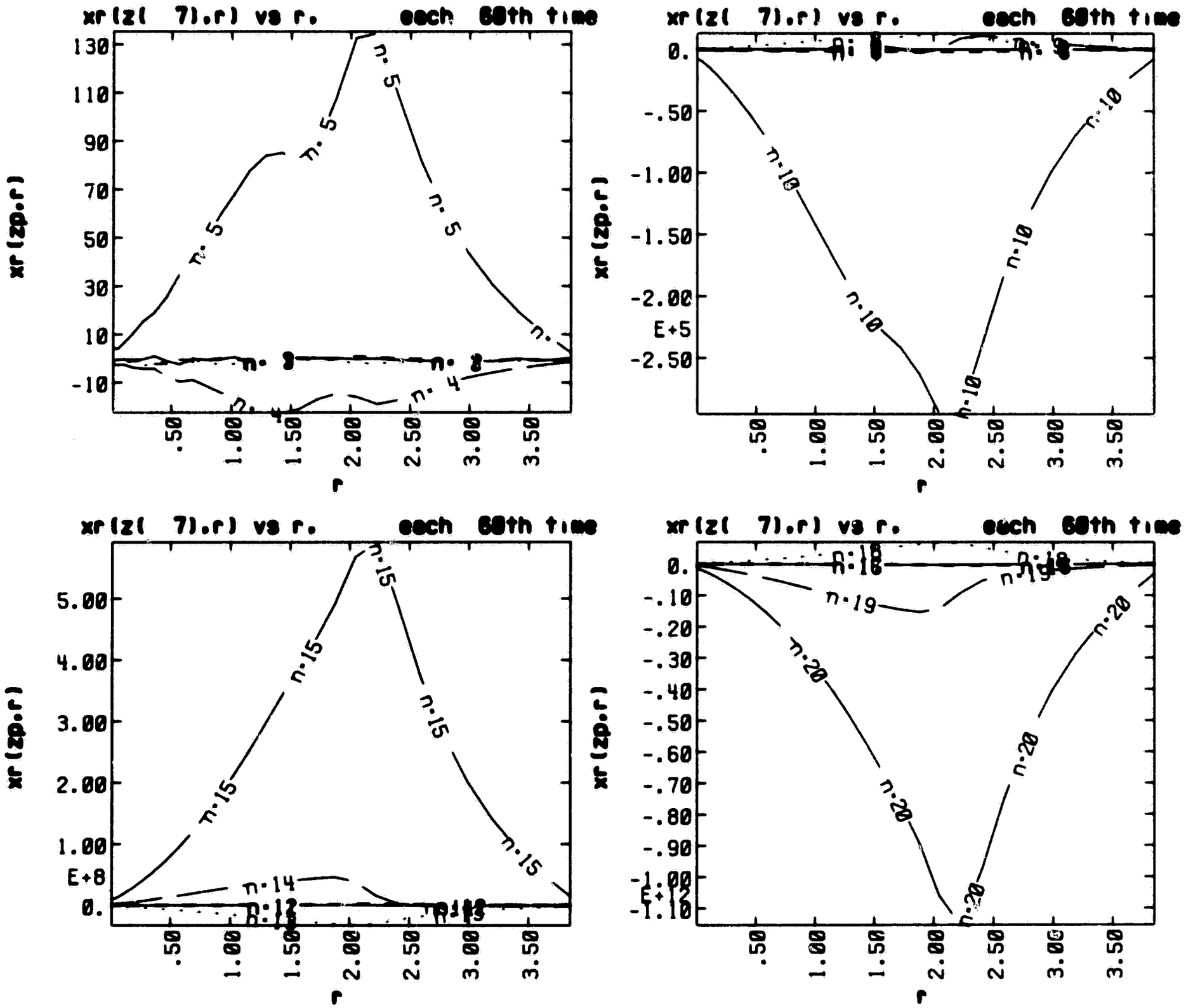

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
0.
-.50
-1.00
-1.50
-2.00
-2.50
-3.00
E+18
-3.50
n·28
n·29
n·30
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
psi

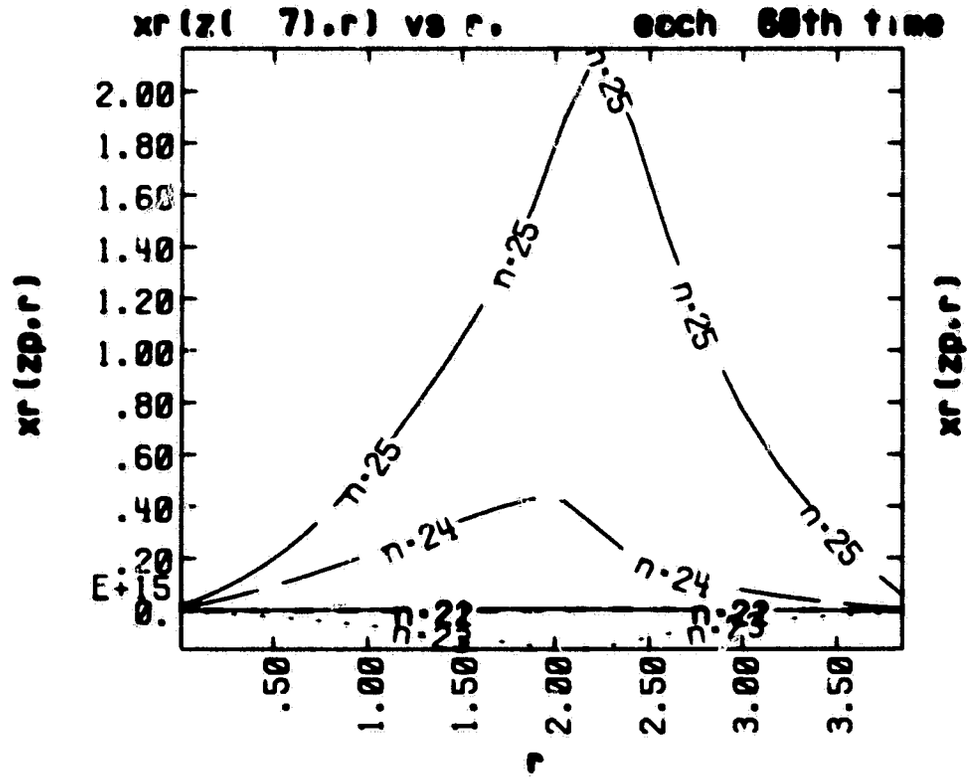

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
5.00
4.00
3.00
2.00
1.00
E+21
-.00
n·34
n·35
n·32
n·33
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
psi

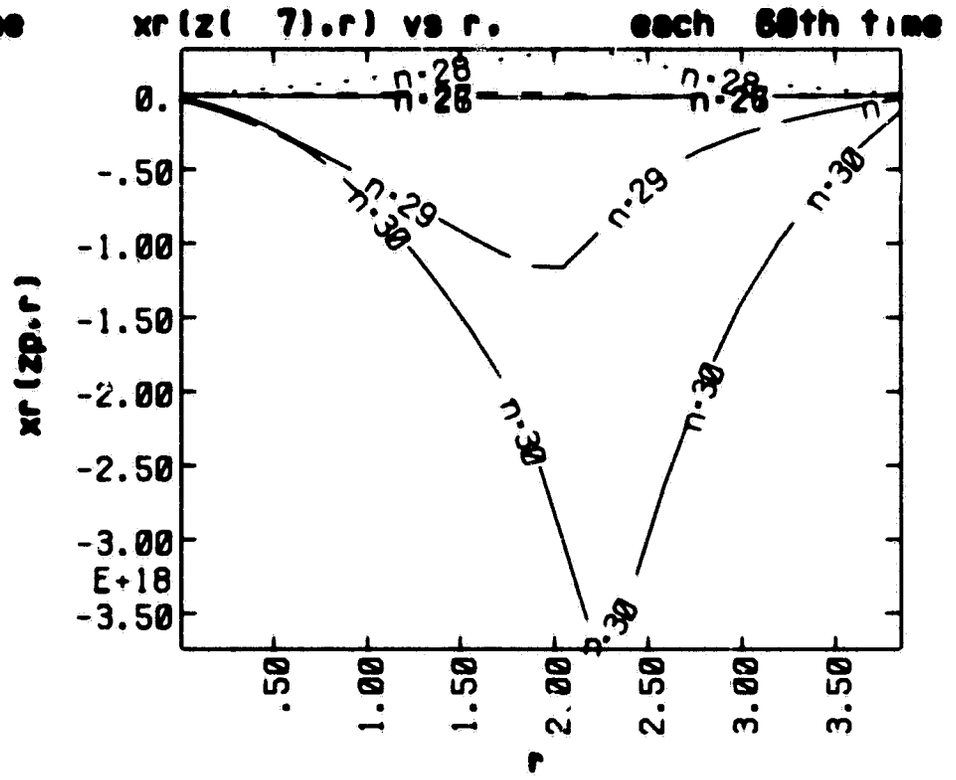

xr(z(7).psi) vs psi each 60th time
xr(zp.psi)
.20
.10
-.00
-.10
-.20
-.30
-.40
-.50
-.60
E+25
-.70
n·38
n·39
n·40
.00
E+4
.20
.40
.60
.80
1.00
1.20
1.40
1.60
1.80
2.00
psi

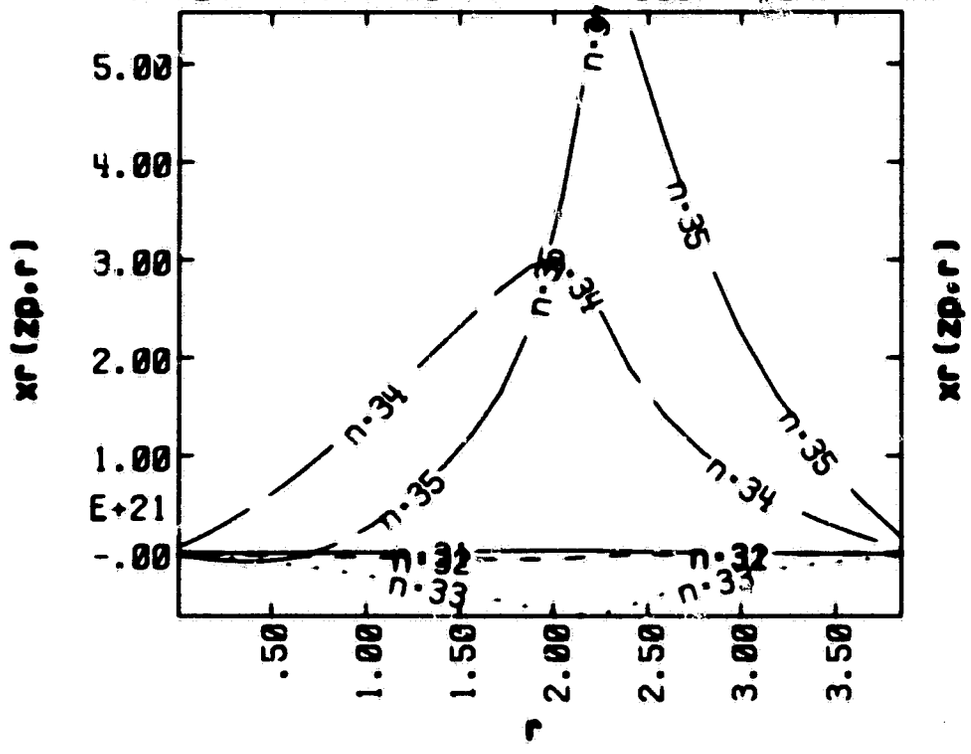

xr(z(15),r) vs r. each 60th time
xr(zp,r)
r
n=5
n=10
n=15
n=14
n=20
n=19
E+5
E+8
E+12

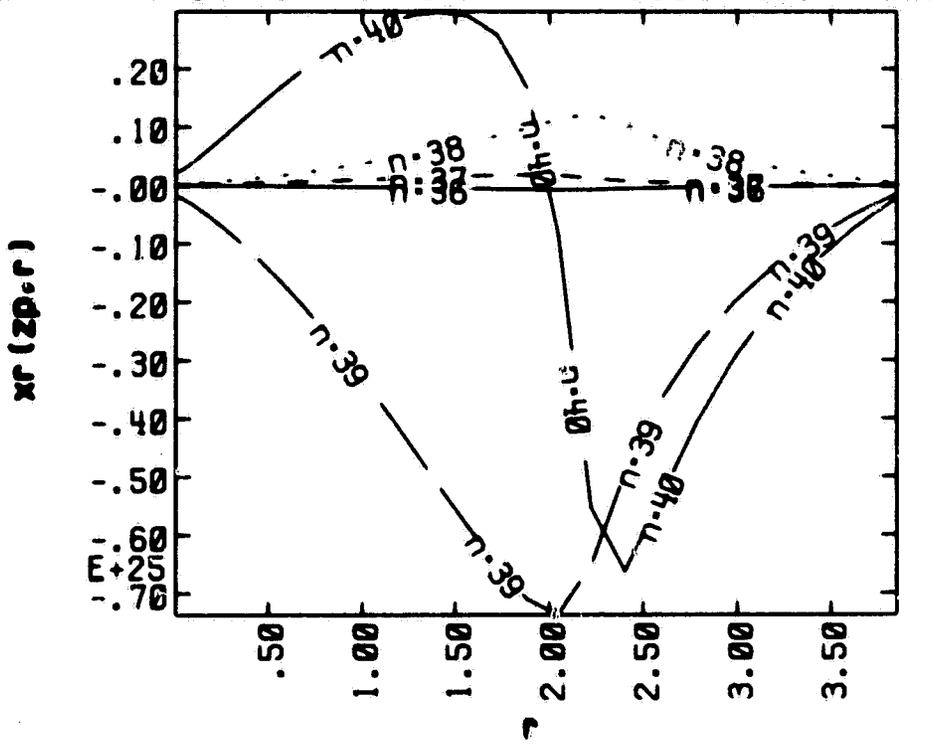

xr(z(15),r) vs r, each 60th time
xr(zp,r)
r
E+15
E+18
E+21
E+25

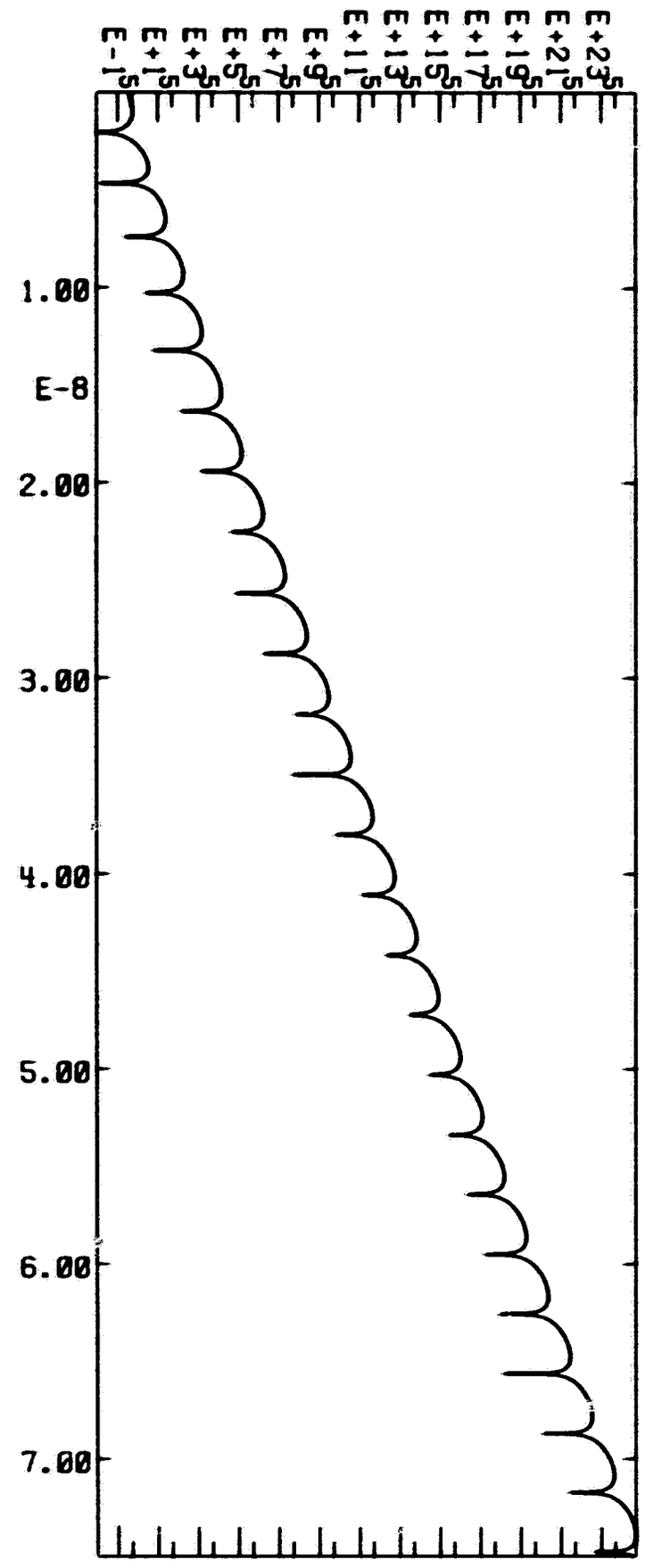

xr(z(7),r) vs r. each 60th time
xr(zp,r)
r
n=5
n=10
n=15
n=20
n=14
n=19
E+5
E+8
E+12

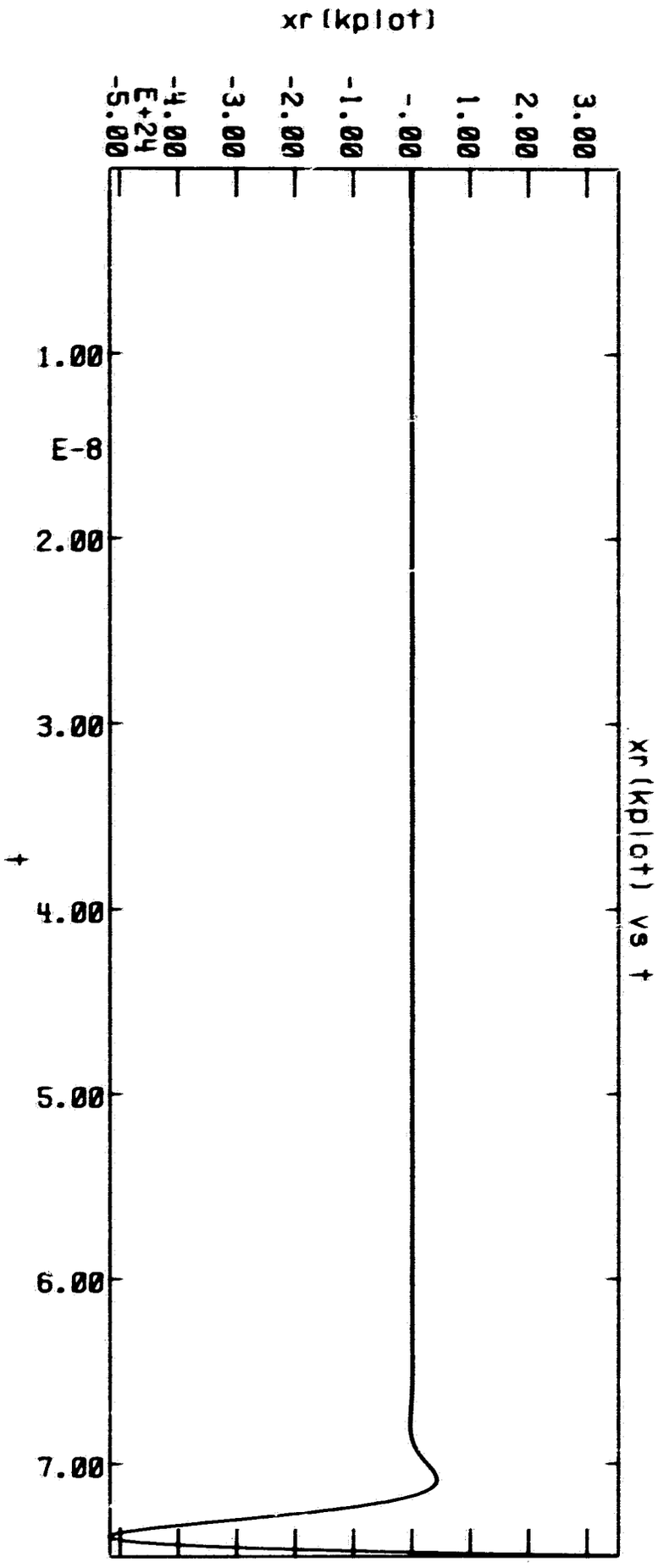

xr(z(7),r) vs r. each 60th time
xr(zp,r)
2.00
1.80
1.60
1.40
1.20
1.00
.80
.60
.40
.20
E+15
0.
n:25
n:24
n:23
n:22
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


xr(z(7),r) vs r. each 60th time
xr(zp,r)
0.
-.50
-1.00
-1.50
-2.00
-2.50
-3.00
E+18
-3.50
n:29
n:30
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


xr(z(7),r) vs r. each 60th time
xr(zp,r)
5.00
4.00
3.00
2.00
1.00
E+21
-.00
n:34
n:35
n:32
n:33
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


xr(z(7),r) vs r. each 60th time
xr(zp,r)
.20
.10
-.00
-.10
-.20
-.30
-.40
-.50
-.60
E+25
-.70
n:38
n:39
n:40
.50
1.00
1.50
2.00
2.50
3.00
3.50
r


E-15
E+15
E+35
E+55
E+75
E+95
E+115
E+135
E+155
E+175
E+195
E+215
E+235
1.00
E-8
2.00
3.00
4.00
5.00
6.00
7.00


xr (kplot)
-5.00
E+24
-4.00
-3.00
-2.00
-1.00
-.00
1.00
2.00
3.00
1.00
E-8
2.00
3.00
4.00
5.00
6.00
7.00
xr (kplot) vs t

box u21$

graflib:gcs02042kcs02042
16 frames

17:47:0010/22/82 c