

Value of Oscillator strength : 18.426968 for A : 4.000000
 Value of V1 = -23.359549
 Value of V1 = -4.932579
 Value of V1 = 13.494385
 Value of V1 = 31.921356
 Value of V1 = 50.348320
 Value of V1 = 68.775291
 Value of V1 = 87.202255

!	n	1	2j	2tz	(2n+l)e	hole/p	Modelspace
0	0	1	1	0	-23.4	hole	outside
0	1	3	1	1	-5.0	particle	inside
0	1	1	1	1	-5.0	particle	inside
0	2	5	1	2	13.4	particle	outside
0	2	3	1	2	13.4	particle	outside
1	0	1	1	2	13.4	particle	outside
0	3	7	1	3	31.8	particle	outside
0	3	5	1	3	31.8	particle	outside
1	1	3	1	3	31.8	particle	outside
1	1	1	1	3	31.8	particle	outside

$$E = (N+1.5)hw$$

Value of Oscillator strength : 13.921007 for A : 16.000000
 Value of V1 = -30.118488
 Value of V1 = -16.197483
 Value of V1 = -2.276474
 Value of V1 = 11.644531
 Value of V1 = 25.565536
 Value of V1 = 39.486549
 Value of V1 = 53.407555

!	n	1	2j	2tz	(2n+l)e	hole/p	Modelspace
0	0	1	1	0	-33.0	hole	outside
0	1	3	1	1	-19.0	hole	outside
0	1	1	1	1	-19.0	hole	outside
0	2	5	1	2	-5.0	particle	inside
0	2	3	1	2	-5.0	particle	inside
1	0	1	1	2	-5.0	particle	inside
0	3	7	1	3	9.0	particle	outside
0	3	5	1	3	9.0	particle	outside
1	1	3	1	3	9.0	particle	outside
1	1	1	1	3	9.0	particle	outside

Value of Oscillator strength : 11.020609 for A : 40.000000

Value of V1 = -34.469086
 Value of V1 = -23.448479
 Value of V1 = -12.427868
 Value of V1 = -1.407261
 Value of V1 = 9.613350
 Value of V1 = 20.633957
 Value of V1 = 31.654564

!	n	1	2j	2tz	(2n+l)e	hole/p	Modelspace
0	0	1	1	0	-43.0	hole	outside
0	1	3	1	1	-32.0	hole	outside
0	1	1	1	1	-32.0	hole	outside
0	2	5	1	2	-21.0	hole	outside
0	2	3	1	2	-21.0	hole	outside
1	0	1	1	2	-21.0	hole	outside
0	3	7	1	3	-10.0	particle	inside
0	3	5	1	3	-10.0	particle	inside
1	1	3	1	3	-10.0	particle	inside
1	1	1	1	3	-10.0	particle	inside
0	4	9	1	4	0.0	particle	outside
0	4	7	1	4	0.0	particle	outside
1	2	5	1	4	0.0	particle	outside
1	2	3	1	4	0.0	particle	outside
2	0	1	1	4	0.0	particle	outside

For (N+1.5)hw

Value of Oscillator strength : 10.489394 for A : 48.000000
 Value of V1 = -29.765909
 Value of V1 = -19.276514
 Value of V1 = -8.787121
 Value of V1 = 1.702274
 Value of V1 = 12.191669
 Value of V1 = 22.681061
 Value of V1 = 33.170456

For (N+0.5)hw

Value of Oscillator strength : 10.489394 for A : 48.000000
 Value of V1 = -40.255302
 Value of V1 = -29.765909
 Value of V1 = -19.276514
 Value of V1 = -8.787121
 Value of V1 = 1.702274
 Value of V1 = 12.191669
 Value of V1 = 22.681061

!	n	1	2j	2tz	(2n+l)e	hole/p	Modelspace
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0	0	1	-1	0	-41.5	hole	outside
0	1	3	-1	1	-31.0	hole	outside
0	1	1	-1	1	-31.0	hole	outside
0	2	5	-1	2	-20.5	hole	outside
0	2	3	-1	2	-20.5	hole	outside
1	0	1	-1	2	-20.5	hole	outside
0	3	7	-1	3	-10.0	particle	inside
0	3	5	-1	3	-10.0	particle	inside
1	1	3	-1	3	-10.0	particle	inside
1	1	1	-1	3	-10.0	particle	inside
0	4	9	-1	4	0.5	particle	outside
0	4	7	-1	4	0.5	particle	outside
1	2	5	-1	4	0.5	particle	outside
1	2	3	-1	4	0.5	particle	outside
2	0	1	-1	4	0.5	particle	outside
0	5	11	-1	5	0.5	particle	outside

$$E = (n+1.5)hw$$

Value of Oscillator strength : 10.054079 for A : 56.000000

Value of V1 = -35.918880

Value of V1 = -25.864803

Value of V1 = -15.810722

Value of V1 = -5.756645

Value of V1 = 4.297436

Value of V1 = 14.351517

Value of V1 = 24.405594

$$E = (n+0.0)hw$$

Value of Oscillator strength : 10.054079 for A : 56.000000

Value of V1 = -51.000000

Value of V1 = -40.945923

Value of V1 = -30.891842

Value of V1 = -20.837763

Value of V1 = -10.783684

Value of V1 = -0.729607

Value of V1 = 9.324474

! n l 2j 2tz (2n+l)e hole/p Modelspace

0	0	1	1	0	-50.0	hole	outside
0	1	3	1	1	-40.0	hole	outside
0	1	1	1	1	-40.0	hole	outside
0	2	5	1	2	-30.0	hole	outside
0	2	3	1	2	-30.0	hole	outside
1	0	1	1	2	-30.0	hole	outside
0	3	7	1	3	-20.0	hole	outside
0	3	5	1	4	-10.0	particle	inside

1	1	3	1	4	-10.0	particle	inside
1	1	1	1	4	-10.0	particle	inside
0	4	9	1	4	-10.0	particle	inside
0	4	7	1	5	0.0	particle	outside
1	2	5	1	5	0.0	particle	outside
1	2	3	1	5	0.0	particle	outside
2	0	1	1	5	0.0	particle	outside
0	5	11	1	5	0.0	particle	outside
0	5	9	1	6	10.0	particle	outside
1	3	7	1	6	10.0	particle	outside
1	3	5	1	6	10.0	particle	outside
2	1	3	1	6	10.0	particle	outside
2	1	1	1	6	10.0	particle	outside

Value of Oscillator strength : 9.162642 for A : 78.000000

Value of V1 = -41.692307

Value of V1 = -32.529663

Value of V1 = -23.367023

Value of V1 = -14.204382

Value of V1 = -5.041740

Value of V1 = 4.120903

Value of V1 = 13.283543

! n l 2j 2tz (2n+l)e hole/p Modelspace

0	0	1	-1	0	-46.0	hole	outside
0	1	3	-1	1	-37.0	hole	outside
0	1	1	-1	1	-37.0	hole	outside
0	2	5	-1	2	-28.0	hole	outside
0	2	3	-1	2	-28.0	hole	outside
1	0	1	-1	2	-28.0	hole	outside
0	3	7	-1	3	-19.0	hole	outside
0	3	5	-1	4	-10.0	particle	inside
1	1	3	-1	4	-10.0	particle	inside
1	1	1	-1	4	-10.0	particle	inside
0	4	9	-1	4	-10.0	particle	inside
0	4	7	-1	5	-1.0	particle	outside
1	2	5	-1	5	-1.0	particle	outside
1	2	3	-1	5	-1.0	particle	outside
2	0	1	-1	5	-1.0	particle	outside
0	5	11	-1	6	8.0	particle	outside
0	5	9	-1	6	8.0	particle	outside
1	3	7	-1	6	8.0	particle	outside
1	3	5	-1	6	8.0	particle	outside
2	1	3	-1	6	8.0	particle	outside
2	1	1	-1	6	8.0	particle	outside
0	6	13	-1	7	17.0	particle	outside
0	6	11	-1	7	17.0	particle	outside
1	4	9	-1	7	17.0	particle	outside
1	4	7	-1	7	17.0	particle	outside
2	2	5	-1	7	17.0	particle	outside
2	2	3	-1	7	17.0	particle	outside

3 0 1 -1 7 17.0 particle outside

$$E = (N+0)hw$$

Value of Oscillator strength : 8.853373 for A : 88.000000

Value of V1 = -46.500000

Value of V1 = -37.646629

Value of V1 = -28.793255

Value of V1 = -19.939882

Value of V1 = -11.086510

Value of V1 = -2.233139

Value of V1 = 6.620235

!	n	l	2j	2tz	(2n+l)e	hole/p	Modelspace
0	0	1	-1	0	-46.0	hole	outside
0	1	3	-1	1	-37.0	hole	outside
0	1	1	-1	1	-37.0	hole	outside
0	2	5	-1	2	-28.0	hole	outside
0	2	3	-1	2	-28.0	hole	outside
1	0	1	-1	2	-28.0	hole	outside
0	3	7	-1	3	-19.0	hole	outside
0	3	5	-1	3	-19.0	hole	outside
1	1	3	-1	3	-19.0	hole	outside
1	1	1	-1	4	-10.0	particle	inside
0	4	9	-1	4	-10.0	particle	inside
0	4	7	-1	5	-1.0	particle	outside
1	2	5	-1	5	-1.0	particle	outside
1	2	3	-1	5	-1.0	particle	outside
2	0	1	-1	5	-1.0	particle	outside
0	5	11	-1	5	-1.0	particle	outside
0	5	9	-1	6	8.0	particle	outside
1	3	7	-1	6	8.0	particle	outside
1	3	5	-1	6	8.0	particle	outside
2	1	3	-1	6	8.0	particle	outside
2	1	1	-1	6	8.0	particle	outside
0	6	13	-1	6	8.0	particle	outside
0	6	11	-1	7	17.0	particle	outside
1	4	9	-1	7	17.0	particle	outside
1	4	7	-1	7	17.0	particle	outside
2	2	5	-1	7	17.0	particle	outside
2	2	3	-1	7	17.0	particle	outside
3	0	1	-1	7	17.0	particle	outside

$$E = (N+0.0)hw$$

Value of Oscillator strength : 8.534558 for A : 100.000000

Value of V1 = -51.000000

Value of V1 = -42.465443

Value of V1 = -33.930885

Value of V1 = -25.396324

Value of V1 = -16.861767

Value of V1 = -8.327209

Value of V1 = 0.207352

! n l 2j 2tz (2n+l)e hole/p Modelspace

0	0	1	-1	0	-52.5	hole	outside
0	1	3	-1	1	-44.0	hole	outside
0	1	1	-1	1	-44.0	hole	outside
0	2	5	-1	2	-35.5	hole	outside
0	2	3	-1	2	-35.5	hole	outside
1	0	1	-1	2	-35.5	hole	outside
0	3	7	-1	3	-27.0	hole	outside
0	3	5	-1	4	-18.5	hole	outside
1	1	3	-1	4	-18.5	hole	outside
1	1	1	-1	4	-18.5	hole	outside
0	4	9	-1	4	-18.5	hole	outside
0	4	7	-1	5	-10.0	particle	inside
1	2	5	-1	5	-10.0	particle	inside
1	2	3	-1	5	-10.0	particle	inside
2	0	1	-1	5	-10.0	particle	inside
0	5	11	-1	5	-10.0	particle	inside
0	5	9	-1	6	-1.5	particle	outside
1	3	7	-1	6	-1.5	particle	outside
1	3	5	-1	6	-1.5	particle	outside
2	1	3	-1	6	-1.5	particle	outside
2	1	1	-1	6	-1.5	particle	outside
0	6	13	-1	6	-1.5	particle	outside
0	6	11	-1	7	7.0	particle	outside
1	4	9	-1	7	7.0	particle	outside
1	4	7	-1	7	7.0	particle	outside
2	2	5	-1	7	7.0	particle	outside
2	2	3	-1	7	7.0	particle	outside
3	0	1	-1	7	7.0	particle	outside

$E = (N-1.0)hw$

Value of Oscillator strength : 7.873684 for A : 132.000000

Value of V1 = -50.873684

Value of V1 = -43.000000

Value of V1 = -35.126316

Value of V1 = -27.252632

Value of V1 = -19.378946

Value of V1 = -11.505262

Value of V1 = -3.631577

!	n	l	2j	2tz	(2n+l)e	hole/p	Modelspace
0	0	1	-1	0	-50.0	hole	outside
0	1	3	-1	1	-42.0	hole	outside
0	1	1	-1	1	-42.0	hole	outside
0	2	5	-1	2	-34.0	hole	outside
0	2	3	-1	2	-34.0	hole	outside
1	0	1	-1	2	-34.0	hole	outside
0	3	7	-1	3	-26.0	hole	outside
0	3	5	-1	4	-18.0	hole	outside
1	1	3	-1	4	-18.0	hole	outside
1	1	1	-1	4	-18.0	hole	outside
0	4	9	-1	4	-18.0	hole	outside
0	4	7	-1	5	-10.0	particle	inside
1	2	5	-1	5	-10.0	particle	inside
1	2	3	-1	5	-10.0	particle	inside
2	0	1	-1	5	-10.0	particle	inside
0	5	11	-1	5	-10.0	particle	inside
0	5	9	-1	6	-2.0	particle	outside
1	3	7	-1	6	-2.0	particle	outside
1	3	5	-1	6	-2.0	particle	outside
2	1	3	-1	6	-2.0	particle	outside
2	1	1	-1	6	-2.0	particle	outside
0	6	13	-1	6	-2.0	particle	outside
0	6	11	-1	7	6.0	particle	outside
1	4	9	-1	7	6.0	particle	outside
1	4	7	-1	7	6.0	particle	outside
2	2	5	-1	7	6.0	particle	outside
2	2	3	-1	7	6.0	particle	outside
3	0	1	-1	7	6.0	particle	outside
0	7	15	-1	8	14.0	particle	outside

$$E = (N-1.0)hw$$

Value of Oscillator strength : 6.882808 for A : 208.000000

Value of V1 = -50.902039

Value of V1 = -44.019230

Value of V1 = -37.136421

Value of V1 = -30.253613

Value of V1 = -23.370806

Value of V1 = -16.487997

Value of V1 = -9.605190

!	n	l	2j	2tz	(2n+l)e	hole/p	Modelspace
0	0	1	-1	0	-52.0	hole	outside
0	1	3	-1	1	-45.0	hole	outside
0	1	1	-1	1	-45.0	hole	outside
0	2	5	-1	2	-38.0	hole	outside

0	2	3	-1	2	-38.0	hole	outside
1	0	1	-1	2	-38.0	hole	outside
0	3	7	-1	3	-31.0	hole	outside
0	3	5	-1	4	-24.0	hole	outside
1	1	3	-1	4	-24.0	hole	outside
1	1	1	-1	4	-24.0	hole	outside
0	4	9	-1	4	-24.0	hole	outside
0	4	7	-1	5	-17.0	hole	outside
1	2	5	-1	5	-17.0	hole	outside
1	2	3	-1	5	-17.0	hole	outside
2	0	1	-1	5	-17.0	hole	outside
0	5	11	-1	5	-17.0	hole	outside
0	5	9	-1	6	-10.0	particle	inside
1	3	7	-1	6	-10.0	particle	inside
1	3	5	-1	6	-10.0	particle	inside
2	1	3	-1	6	-10.0	particle	inside
2	1	1	-1	6	-10.0	particle	inside
0	6	13	-1	6	-10.0	particle	inside
0	6	11	-1	7	-3.0	particle	outside
1	4	9	-1	7	-3.0	particle	outside
1	4	7	-1	7	-3.0	particle	outside
2	2	5	-1	7	-3.0	particle	outside
2	2	3	-1	7	-3.0	particle	outside
3	0	1	-1	7	-3.0	particle	outside
0	7	15	-1	8	4.0	particle	outside