No. 23 C_{6h} 6/m [hexagonal] (axial)

表 1 rank 0

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
1	A_u	Au	_	_	$\mathbb{G}_0^{(h,A_u)}$	${\tt Gh}({\tt O},{\tt Au},,)$	C_0

表 2 rank 1

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
2	A_g	Ag	-	-	$\mathbb{G}_1^{(h,A_g)}$	${\tt Gh(1,Ag,,)}$	C_0
3	E_{1g}	E1g	_	0	$\mathbb{G}_{1,0}^{(h,E_{1g})}$	${\tt Gh(1,E1g,,0)}$	C_1
4	E_{1g}	E1g		1	$\mathbb{G}_{1,1}^{(h,E_{1g})}$	${\tt Gh(1,E1g,,1)}$	S_1

表 3 rank 2

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
5	A_u	Au	_	_	$\mathbb{G}_2^{(h,A_u)}$	${\tt Gh(2,Au,,)}$	C_0
6	E_{1u}	E1u	_	0	$\mathbb{G}_{2,0}^{(h,E_{1u})}$	${\tt Gh(2,E1u,,0)}$	C_1
7	E_{1u}	E1u	_	1	$\mathbb{G}_{2,1}^{(h,E_{1u})}$	${\tt Gh(2,E1u,,1)}$	S_1
8	E_{2u}	E2u	_	0	$\mathbb{G}_{2,0}^{(h,E_{2u})}$	${\tt Gh(2,E2u,,0)}$	C_2
9	E_{2u}	E2u	-	1	$\mathbb{G}_{2,1}^{(h,E_{2u})}$	${\tt Gh}(2,{\tt E2u},,1)$	$-S_2$

表 4 rank 3

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
10	A_g	Ag	_	-	$\mathbb{G}_3^{(h,A_g)}$	${\tt Gh(3,Ag,,)}$	C_0
11	B_g	Bg	1	_	$\mathbb{G}_3^{(h,B_g,1)}$	${\tt Gh(3,Bg,1,)}$	S_3
12	B_g	Bg	2	_	$\mathbb{G}_3^{(h,B_g,2)}$	${\tt Gh(3,Bg,2,)}$	C_3
13	E_{1g}	E1g	_	0	$\mathbb{G}_{3,0}^{(h,E_{1g})}$	${\tt Gh(3,E1g,,0)}$	C_1
14	E_{1g}	E1g	_	1	$\mathbb{G}_{3,1}^{(h,E_{1g})}$	${\tt Gh(3,E1g,,1)}$	S_1
15	E_{2g}	E2g	_	0	$\mathbb{G}_{3,0}^{(h,E_{2g})}$	${\tt Gh(3,E2g,,0)}$	C_2
16	E_{2g}	E2g	_	1	$\mathbb{G}_{3,1}^{(h,E_{2g})}$	${\tt Gh(3,E2g,,1)}$	$-S_2$

表 5 rank 4

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
17	A_u	Au	_	_	$\mathbb{G}_4^{(h,A_u)}$	${\tt Gh(4,Au,,)}$	C_0
18	B_u	Bu	1	_	$\mathbb{G}_4^{(h,B_u,1)}$	${\tt Gh(4,Bu,1,)}$	C_3
19	B_u	Bu	2	_	$\mathbb{G}_4^{(h,B_u,2)}$	${\tt Gh(4,Bu,2,)}$	S_3
20	E_{1u}	E1u	_	0	$\mathbb{G}_{4,0}^{(h,E_{1u})}$	${\tt Gh(4,E1u,,0)}$	C_1
21	E_{1u}	E1u	_	1	$\mathbb{G}_{4,1}^{(h,E_{1u})}$	${\tt Gh(4,E1u,,1)}$	S_1
22	E_{2u}	E2u	1	0	$\mathbb{G}_{4,0}^{(h,E_{2u},1)}$	${\tt Gh(4,E2u,1,0)}$	C_4
23	E_{2u}	E2u	1	1	$\mathbb{G}_{4,1}^{(h,E_{2u},1)}$	${\tt Gh(4,E2u,1,1)}$	S_4
24	E_{2u}	E2u	2	0	$\mathbb{G}_{4,0}^{(h,E_{2u},2)}$	${\tt Gh(4,E2u,2,0)}$	C_2
25	E_{2u}	E2u	2	1	$\mathbb{G}_{4,1}^{(h,E_{2u},2)}$	${\tt Gh(4,E2u,2,1)}$	$-S_2$

表 6 rank 5

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
26	A_g	Ag	_	_	$\mathbb{G}_5^{(h,A_g)}$	${\tt Gh}({\tt 5},{\tt Ag},,)$	C_0
27	B_g	Bg	1	_	$\mathbb{G}_{5}^{(h,B_{g},1)}$	${\tt Gh(5,Bg,1,)}$	S_3
28	B_g	Bg	2	_	$\mathbb{G}_{5}^{(h,B_{g},2)}$	${\tt Gh(5,Bg,2,)}$	C_3
29	E_{1g}	E1g	1	0	$\mathbb{G}_{5,0}^{(h,E_{1g},1)}$	${\tt Gh(5,E1g,1,0)}$	C_5
30	E_{1g}	E1g	1	1	$\mathbb{G}_{5,1}^{(h,E_{1g},1)}$	${\tt Gh(5,E1g,1,1)}$	$-S_5$
31	E_{1g}	E1g	2	0	$\mathbb{G}_{5,0}^{(h,E_{1g},2)}$	${\tt Gh(5,E1g,2,0)}$	C_1
32	E_{1g}	E1g	2	1	$\mathbb{G}_{5,1}^{(h,E_{1g},2)}$	${\tt Gh(5,E1g,2,1)}$	S_1
33	E_{2g}	E2g	1	0	$\mathbb{G}_{5,0}^{(h,E_{2g},1)}$	${\tt Gh(5,E2g,1,0)}$	C_4
34	E_{2g}	E2g	1	1	$\mathbb{G}_{5,1}^{(h,E_{2g},1)}$	${\tt Gh(5,E2g,1,1)}$	S_4
35	E_{2g}	E2g	2	0	$\mathbb{G}_{5,0}^{(h,E_{2g},2)}$	${\tt Gh(5,E2g,2,0)}$	C_2
36	E_{2g}	E2g	2	1	$\mathbb{G}_{5,1}^{(h,E_{2g},2)}$	${\tt Gh(5,E2g,2,1)}$	$-S_2$

表 7 rank 6

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
37	A_u	Au	1	_	$\mathbb{G}_6^{(h,A_u,1)}$	Gh(6, Au, 1,)	C_0
38	A_u	Au	2	_	$\mathbb{G}_6^{(h,A_u,2)}$	${\tt Gh(6,Au,2,)}$	C_6
39	A_u	Au	3	_	$\mathbb{G}_6^{(h,A_u,3)}$	${\tt Gh(6,Au,3,)}$	S_6
40	B_u	Bu	1	_	$\mathbb{G}_6^{(h,B_u,1)}$	${\tt Gh(6,Bu,1,)}$	C_3
41	B_u	Bu	2	_	$\mathbb{G}_6^{(h,B_u,2)}$	${\tt Gh}(6, {\tt Bu}, 2,)$	S_3
42	E_{1u}	E1u	1	0	$\mathbb{G}_{6,0}^{(h,E_{1u},1)}$	${\tt Gh(6,E1u,1,0)}$	C_5
43	E_{1u}	E1u	1	1	$\mathbb{G}_{6,1}^{(h,E_{1u},1)}$	${\tt Gh(6,E1u,1,1)}$	$-S_5$
44	E_{1u}	E1u	2	0	$\mathbb{G}_{6,0}^{(h,E_{1u},2)}$	${\tt Gh(6,E1u,2,0)}$	C_1
45	E_{1u}	E1u	2	1	$\mathbb{G}_{6,1}^{(h,E_{1u},2)}$	${\tt Gh(6,E1u,2,1)}$	S_1
46	E_{2u}	E2u	1	0	$\mathbb{G}_{6,0}^{(h,E_{2u},1)}$	${\tt Gh(6,E2u,1,0)}$	C_4
47	E_{2u}	E2u	1	1	$\mathbb{G}_{6,1}^{(h,E_{2u},1)}$	${\tt Gh(6,E2u,1,1)}$	S_4
48	E_{2u}	E2u	2	0	$\mathbb{G}_{6,0}^{(h,E_{2u},2)}$	${\tt Gh(6,E2u,2,0)}$	C_2
49	E_{2u}	E2u	2	1	$\mathbb{G}_{6,1}^{(h,E_{2u},2)}$	${\tt Gh(6,E2u,2,1)}$	$-S_2$

表 8 rank 7

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
50	A_g	Ag	1	_	$\mathbb{G}_7^{(h,A_g,1)}$	${\tt Gh(7,Ag,1,)}$	S_6
51	A_g	Ag	2	_	$\mathbb{G}_7^{(h,A_g,2)}$	${\tt Gh}({\tt 7},{\tt Ag},{\tt 2},)$	C_0
52	A_g	Ag	3	_	$\mathbb{G}_7^{(h,A_g,3)}$	${\tt Gh(7,Ag,3,)}$	C_6
53	B_g	Bg	1	-	$\mathbb{G}_7^{(h,B_g,1)}$	${\tt Gh(7,Bg,1,)}$	S_3
54	B_g	Bg	2	-	$\mathbb{G}_7^{(h,B_g,2)}$	${\tt Gh}({\tt 7},{\tt Bg},{\tt 2},)$	C_3
55	E_{1g}	E1g	1	0	$\mathbb{G}_{7,0}^{(h,E_{1g},1)}$	${\tt Gh(7,E1g,1,0)}$	C_7
56	E_{1g}	E1g	1	1	$\mathbb{G}_{7,1}^{(h,E_{1g},1)}$	${\tt Gh(7,E1g,1,1)}$	S_7
57	E_{1g}	E1g	2	0	$\mathbb{G}_{7,0}^{(h,E_{1g},2)}$	${\tt Gh(7,E1g,2,0)}$	C_5
58	E_{1g}	E1g	2	1	$\mathbb{G}_{7,1}^{(h,E_{1g},2)}$	${\tt Gh(7,E1g,2,1)}$	$-S_5$
59	E_{1g}	E1g	3	0	$\mathbb{G}_{7,0}^{(h,E_{1g},3)}$	${\tt Gh(7,E1g,3,0)}$	C_1
60	E_{1g}	E1g	3	1	$\mathbb{G}_{7,1}^{(h,E_{1g},3)}$	${\tt Gh(7,E1g,3,1)}$	S_1
61	E_{2g}	E2g	1	0	$\mathbb{G}_{7,0}^{(h,E_{2g},1)}$	${\tt Gh(7,E2g,1,0)}$	C_4
62	E_{2g}	E2g	1	1	$\mathbb{G}_{7,1}^{(h,E_{2g},1)}$	${\tt Gh(7,E2g,1,1)}$	S_4
63	E_{2g}	E2g	2	0	$\mathbb{G}_{7,0}^{(h,E_{2g},2)}$	${\tt Gh(7,E2g,2,0)}$	C_2
64	E_{2g}	E2g	2	1	$\mathbb{G}_{7,1}^{(h,E_{2g},2)}$	${\tt Gh(7,E2g,2,1)}$	$-S_2$

表 9 rank 8

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
65		Au	1	comp.	$\mathbb{G}_{s}^{(h,A_{u},1)}$		
00	A_u	Au	1	_	0	${\tt Gh(8,Au,1,)}$	C_0
66	A_u	Au	2	_	$\mathbb{G}_8^{(h,A_u,2)}$	${\tt Gh(8,Au,2,)}$	C_6
67	A_u	Au	3	_	$\mathbb{G}_8^{(h,A_u,3)}$	${\tt Gh(8,Au,3,)}$	S_6
68	B_u	Bu	1	_	$\mathbb{G}_8^{(h,B_u,1)}$	${\tt Gh(8,Bu,1,)}$	C_3
69	B_u	Bu	2	_	$\mathbb{G}_8^{(h,B_u,2)}$	${\tt Gh(8,Bu,2,)}$	S_3
70	E_{1u}	E1u	1	0	$\mathbb{G}_{8,0}^{(h,E_{1u},1)}$	${\tt Gh(8,E1u,1,0)}$	C_7
71	E_{1u}	E1u	1	1	$\mathbb{G}_{8,1}^{(h,E_{1u},1)}$	${\tt Gh(8,E1u,1,1)}$	S_7
72	E_{1u}	E1u	2	0	$\mathbb{G}_{8,0}^{(h,E_{1u},2)}$	${\tt Gh(8,E1u,2,0)}$	C_5
73	E_{1u}	E1u	2	1	$\mathbb{G}_{8,1}^{(h,E_{1u},2)}$	${\tt Gh(8,E1u,2,1)}$	$-S_5$
74	E_{1u}	E1u	3	0	$\mathbb{G}_{8,0}^{(h,E_{1u},3)}$	${\tt Gh(8,E1u,3,0)}$	C_1
75	E_{1u}	E1u	3	1	$\mathbb{G}_{8,1}^{(h,E_{1u},3)}$	${\tt Gh(8,E1u,3,1)}$	S_1
76	E_{2u}	E2u	1	0	$\mathbb{G}_{8,0}^{(h,E_{2u},1)}$	${\tt Gh(8,E2u,1,0)}$	C_8
77	E_{2u}	E2u	1	1	$\mathbb{G}_{8,1}^{(h,E_{2u},1)}$	${\tt Gh(8,E2u,1,1)}$	$-S_8$
78	E_{2u}	E2u	2	0	$\mathbb{G}_{8,0}^{(h,E_{2u},2)}$	${\tt Gh(8,E2u,2,0)}$	C_4
79	E_{2u}	E2u	2	1	$\mathbb{G}_{8,1}^{(h,E_{2u},2)}$	${\tt Gh(8,E2u,2,1)}$	S_4
80	E_{2u}	E2u	3	0	$\mathbb{G}_{8,0}^{(h,E_{2u},3)}$	${\tt Gh(8,E2u,3,0)}$	C_2
81	E_{2u}	E2u	3	1	$\mathbb{G}_{8,1}^{(h,E_{2u},3)}$	${\tt Gh(8,E2u,3,1)}$	$-S_2$

表 10 rank 9

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
82	A_g	Ag	1	-	$\mathbb{G}_9^{(h,A_g,1)}$	${\tt Gh(9,Ag,1,)}$	S_6
83	A_g	Ag	2	_	$\mathbb{G}_9^{(h,A_g,2)}$	${\tt Gh(9,Ag,2,)}$	C_0
84	A_g	Ag	3	-	$\mathbb{G}_9^{(h,A_g,3)}$	${\tt Gh(9,Ag,3,)}$	C_6
85	B_g	Bg	1	-	$\mathbb{G}_9^{(h,B_g,1)}$	${\tt Gh(9,Bg,1,)}$	S_9
86	B_g	Bg	2	-	$\mathbb{G}_9^{(h,B_g,2)}$	${\tt Gh(9,Bg,2,)}$	S_3
87	B_g	Bg	3	-	$\mathbb{G}_9^{(h,B_g,3)}$	${\tt Gh(9,Bg,3,)}$	C_9
88	B_g	Bg	4	-	$\mathbb{G}_9^{(h,B_g,4)}$	${\tt Gh(9,Bg,4,)}$	C_3
89	E_{1g}	E1g	1	0	$\mathbb{G}_{9,0}^{(h,E_{1g},1)}$	$\mathtt{Gh}(9,\mathtt{E1g},1,0)$	C_7
90	E_{1g}	E1g	1	1	$\mathbb{G}_{9,1}^{(h,E_{1g},1)}$	$\mathtt{Gh}(9,\mathtt{E1g},1,1)$	S_7
91	E_{1g}	E1g	2	0	$\mathbb{G}_{9,0}^{(h,E_{1g},2)}$	${\tt Gh(9,E1g,2,0)}$	C_5
92	E_{1g}	E1g	2	1	$\mathbb{G}_{9,1}^{(h,E_{1g},2)}$	${\tt Gh(9,E1g,2,1)}$	$-S_5$
93	E_{1g}	E1g	3	0	$\mathbb{G}_{9,0}^{(h,E_{1g},3)}$	${\tt Gh(9,E1g,3,0)}$	C_1
94	E_{1g}	E1g	3	1	$\mathbb{G}_{9,1}^{(h,E_{1g},3)}$	${\tt Gh(9,E1g,3,1)}$	S_1
95	E_{2g}	E2g	1	0	$\mathbb{G}_{9,0}^{(h,E_{2g},1)}$	$\mathtt{Gh}(9,\mathtt{E2g},1,0)$	C_8
96	E_{2g}	E2g	1	1	$\mathbb{G}_{9,1}^{(h,E_{2g},1)}$	$\mathtt{Gh}(9,\mathtt{E2g},1,1)$	$-S_8$
97	E_{2g}	E2g	2	0	$\mathbb{G}_{9,0}^{(h,E_{2g},2)}$	$\mathtt{Gh}(9,\mathtt{E2g},2,0)$	C_4
98	E_{2g}	E2g	2	1	$\mathbb{G}_{9,1}^{(h,E_{2g},2)}$	$\mathtt{Gh}(9,\mathtt{E2g},2,1)$	S_4
99	E_{2g}	E2g	3	0	$\mathbb{G}_{9,0}^{(h,E_{2g},3)}$	${\tt Gh(9,E2g,3,0)}$	C_2
100	E_{2g}	E2g	3	1	$\mathbb{G}_{9,1}^{(h,E_{2g},3)}$	${\tt Gh(9,E2g,3,1)}$	$-S_2$

表 11 rank 10

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
101	A_u	Au	1	-	$\mathbb{G}_{10}^{(h,A_u,1)}$	${\tt Gh(10,Au,1,)}$	C_0
102	A_u	Au	2	_	$\mathbb{G}_{10}^{(h,A_u,2)}$	${\tt Gh(10,Au,2,)}$	C_6
103	A_u	Au	3	-	$\mathbb{G}_{10}^{(h,A_u,3)}$	${\tt Gh(10,Au,3,)}$	S_6
104	B_u	Bu	1	-	$\mathbb{G}_{10}^{(h,B_u,1)}$	${\tt Gh(10,Bu,1,)}$	C_9
105	B_u	Bu	2	_	$\mathbb{G}_{10}^{(h,B_u,2)}$	${\tt Gh(10,Bu,2,)}$	C_3
106	B_u	Bu	3	_	$\mathbb{G}_{10}^{(h,B_u,3)}$	${\tt Gh(10,Bu,3,)}$	S_9
107	B_u	Bu	4	_	$\mathbb{G}_{10}^{(h,B_u,4)}$	${\tt Gh(10,Bu,4,)}$	S_3
108	E_{1u}	E1u	1	0	$\mathbb{G}_{10,0}^{(h,E_{1u},1)}$	${\tt Gh(10,E1u,1,0)}$	C_7
109	E_{1u}	E1u	1	1	$\mathbb{G}_{10,1}^{(h,E_{1u},1)}$	$\mathtt{Gh}(\mathtt{10},\mathtt{E1u},\mathtt{1},\mathtt{1})$	S_7
110	E_{1u}	E1u	2	0	$\mathbb{G}_{10,0}^{(h,E_{1u},2)}$	${\tt Gh(10,E1u,2,0)}$	C_5
111	E_{1u}	E1u	2	1	$\mathbb{G}_{10,1}^{(h,E_{1u},2)}$	${\tt Gh(10,E1u,2,1)}$	$-S_5$
112	E_{1u}	E1u	3	0	$\mathbb{G}_{10,0}^{(h,E_{1u},3)}$	${\tt Gh(10,E1u,3,0)}$	C_1
113	E_{1u}	E1u	3	1	$\mathbb{G}_{10,1}^{(h,E_{1u},3)}$	${\tt Gh(10,E1u,3,1)}$	S_1
114	E_{2u}	E2u	1	0	$\mathbb{G}_{10,0}^{(h,E_{2u},1)}$	${\tt Gh(10,E2u,1,0)}$	C_{10}
115	E_{2u}	E2u	1	1	$\mathbb{G}_{10,1}^{(h,E_{2u},1)}$	${\tt Gh(10,E2u,1,1)}$	S_{10}
116	E_{2u}	E2u	2	0	$\mathbb{G}_{10,0}^{(h,E_{2u},2)}$	${\tt Gh(10,E2u,2,0)}$	C_8
117	E_{2u}	E2u	2	1	$\mathbb{G}_{10,1}^{(h,E_{2u},2)}$	${\tt Gh(10,E2u,2,1)}$	$-S_8$
118	E_{2u}	E2u	3	0	$\mathbb{G}_{10,0}^{(h,E_{2u},3)}$	${\tt Gh(10,E2u,3,0)}$	C_4
119	E_{2u}	E2u	3	1	$\mathbb{G}_{10,1}^{(h,E_{2u},3)}$	${\tt Gh(10,E2u,3,1)}$	S_4
120	E_{2u}	E2u	4	0	$\mathbb{G}_{10,0}^{(h,E_{2u},4)}$	${\tt Gh(10,E2u,4,0)}$	C_2
121	E_{2u}	E2u	4	1	$\mathbb{G}_{10,1}^{(h,E_{2u},4)}$	${\tt Gh(10,E2u,4,1)}$	$-S_2$

表 12 rank 11

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
122	A_g	Ag	1	_	$\mathbb{G}_{11}^{(h,A_g,1)}$	Gh(11, Ag, 1,)	S_6
123	A_g	Ag	2	_	$\mathbb{G}_{11}^{(h,A_g,2)}$	${\tt Gh(11,Ag,2,)}$	C_0
124	A_g	Ag	3	_	$\mathbb{G}_{11}^{(h,A_g,3)}$	${\tt Gh(11,Ag,3,)}$	C_6
125	B_g	Bg	1	_	$\mathbb{G}_{11}^{(h,B_g,1)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{Bg},\mathtt{1},)$	S_9
126	B_g	Bg	2	_	$\mathbb{G}_{11}^{(h,B_g,2)}$	${\tt Gh(11,Bg,2,)}$	S_3
127	B_g	Bg	3	_	$\mathbb{G}_{11}^{(h,B_g,3)}$	${\tt Gh(11,Bg,3,)}$	C_9
128	B_g	Bg	4	_	$\mathbb{G}_{11}^{(h,B_g,4)}$	${\tt Gh(11,Bg,4,)}$	C_3
129	E_{1g}	E1g	1	0	$\mathbb{G}_{11,0}^{(h,E_{1g},1)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E1g},\mathtt{1},\mathtt{0})$	C_{11}
130	E_{1g}	E1g	1	1	$\mathbb{G}_{11,1}^{(h,E_{1g},1)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E1g},\mathtt{1},\mathtt{1})$	$-S_{11}$
131	E_{1g}	E1g	2	0	$\mathbb{G}_{11,0}^{(h,E_{1g},2)}$	${\tt Gh(11,E1g,2,0)}$	C_7
132	E_{1g}	E1g	2	1	$\mathbb{G}_{11,1}^{(h,E_{1g},2)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E1g},\mathtt{2},\mathtt{1})$	S_7
133	E_{1g}	E1g	3	0	$\mathbb{G}_{11,0}^{(h,E_{1g},3)}$	${\tt Gh(11,E1g,3,0)}$	C_5
134	E_{1g}	E1g	3	1	$\mathbb{G}_{11,1}^{(h,E_{1g},3)}$	${\tt Gh(11,E1g,3,1)}$	$-S_5$
135	E_{1g}	E1g	4	0	$\mathbb{G}_{11,0}^{(h,E_{1g},4)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E1g},\mathtt{4},\mathtt{0})$	C_1
136	E_{1g}	E1g	4	1	$\mathbb{G}_{11,1}^{(h,E_{1g},4)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E1g},\mathtt{4},\mathtt{1})$	S_1
137	E_{2g}	E2g	1	0	$\mathbb{G}_{11,0}^{(h,E_{2g},1)}$	${\tt Gh(11,E2g,1,0)}$	C_{10}
138	E_{2g}	E2g	1	1	$\mathbb{G}_{11,1}^{(h,E_{2g},1)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E2g},\mathtt{1},\mathtt{1})$	S_{10}
139	E_{2g}	E2g	2	0	$\mathbb{G}_{11,0}^{(h,E_{2g},2)}$	${\tt Gh(11,E2g,2,0)}$	C_8
140	E_{2g}	E2g	2	1	$\mathbb{G}_{11,1}^{(h,E_{2g},2)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E2g},\mathtt{2},\mathtt{1})$	$-S_8$
141	E_{2g}	E2g	3	0	$\mathbb{G}_{11,0}^{(h,E_{2g},3)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E2g},\mathtt{3},\mathtt{0})$	C_4
142	E_{2g}	E2g	3	1	$\mathbb{G}_{11,1}^{(h,E_{2g},3)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E2g},\mathtt{3},\mathtt{1})$	S_4
143	E_{2g}	E2g	4	0	$\mathbb{G}_{11,0}^{(h,E_{2g},4)}$	$\mathtt{Gh}(\mathtt{11},\mathtt{E2g},\mathtt{4},\mathtt{0})$	C_2
144	E_{2g}	E2g	4	1	$\mathbb{G}_{11,1}^{(h,E_{2g},4)}$	${\tt Gh(11,E2g,4,1)}$	$-S_2$