

No. 17  $C_{3i} - 3$  [ trigonal ] (polar)

表 1 rank 0

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
1	$A_g$	<b>Ag</b>	—	—	$\mathbb{Q}_0^{(h,A_g)}$	<b>Qh(0, Ag, , )</b>	$C_0$

表 2 rank 1

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
2	$A_u$	<b>Au</b>	—	—	$\mathbb{Q}_1^{(h,A_u)}$	<b>Qh(1, Au, , )</b>	$C_0$
3	$E_u$	<b>Eu</b>	—	0	$\mathbb{Q}_{1,0}^{(h,E_u)}$	<b>Qh(1, Eu, , 0)</b>	$C_1$
4	$E_u$	<b>Eu</b>	—	1	$\mathbb{Q}_{1,1}^{(h,E_u)}$	<b>Qh(1, Eu, , 1)</b>	$S_1$

表 3 rank 2

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
5	$A_g$	<b>Ag</b>	—	—	$\mathbb{Q}_2^{(h,A_g)}$	<b>Qh(2, Ag, , )</b>	$C_0$
6	$E_g$	<b>Eg</b>	1	0	$\mathbb{Q}_{2,0}^{(h,E_g,1)}$	<b>Qh(2, Eg, 1, 0)</b>	$C_1$
7	$E_g$	<b>Eg</b>	1	1	$\mathbb{Q}_{2,1}^{(h,E_g,1)}$	<b>Qh(2, Eg, 1, 1)</b>	$S_1$
8	$E_g$	<b>Eg</b>	2	0	$\mathbb{Q}_{2,0}^{(h,E_g,2)}$	<b>Qh(2, Eg, 2, 0)</b>	$C_2$
9	$E_g$	<b>Eg</b>	2	1	$\mathbb{Q}_{2,1}^{(h,E_g,2)}$	<b>Qh(2, Eg, 2, 1)</b>	$-S_2$

表 4 rank 3

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
10	$A_u$	<b>Au</b>	1	—	$\mathbb{Q}_3^{(h,A_u,1)}$	<b>Qh(3, Au, 1, )</b>	$C_0$
11	$A_u$	<b>Au</b>	2	—	$\mathbb{Q}_3^{(h,A_u,2)}$	<b>Qh(3, Au, 2, )</b>	$S_3$
12	$A_u$	<b>Au</b>	3	—	$\mathbb{Q}_3^{(h,A_u,3)}$	<b>Qh(3, Au, 3, )</b>	$C_3$
13	$E_u$	<b>Eu</b>	1	0	$\mathbb{Q}_{3,0}^{(h,E_u,1)}$	<b>Qh(3, Eu, 1, 0)</b>	$C_1$
14	$E_u$	<b>Eu</b>	1	1	$\mathbb{Q}_{3,1}^{(h,E_u,1)}$	<b>Qh(3, Eu, 1, 1)</b>	$S_1$
15	$E_u$	<b>Eu</b>	2	0	$\mathbb{Q}_{3,0}^{(h,E_u,2)}$	<b>Qh(3, Eu, 2, 0)</b>	$C_2$
16	$E_u$	<b>Eu</b>	2	1	$\mathbb{Q}_{3,1}^{(h,E_u,2)}$	<b>Qh(3, Eu, 2, 1)</b>	$-S_2$

表 5 rank 4

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
17	$A_g$	<b>Ag</b>	1	—	$\mathbb{Q}_4^{(h,A_g,1)}$	<b>Qh(4, Ag, 1, )</b>	$C_0$
18	$A_g$	<b>Ag</b>	2	—	$\mathbb{Q}_4^{(h,A_g,2)}$	<b>Qh(4, Ag, 2, )</b>	$C_3$
19	$A_g$	<b>Ag</b>	3	—	$\mathbb{Q}_4^{(h,A_g,3)}$	<b>Qh(4, Ag, 3, )</b>	$S_3$
20	$E_g$	<b>Eg</b>	1	0	$\mathbb{Q}_{4,0}^{(h,E_g,1)}$	<b>Qh(4, Eg, 1, 0)</b>	$C_1$
21	$E_g$	<b>Eg</b>	1	1	$\mathbb{Q}_{4,1}^{(h,E_g,1)}$	<b>Qh(4, Eg, 1, 1)</b>	$S_1$
22	$E_g$	<b>Eg</b>	2	0	$\mathbb{Q}_{4,0}^{(h,E_g,2)}$	<b>Qh(4, Eg, 2, 0)</b>	$C_4$
23	$E_g$	<b>Eg</b>	2	1	$\mathbb{Q}_{4,1}^{(h,E_g,2)}$	<b>Qh(4, Eg, 2, 1)</b>	$S_4$
24	$E_g$	<b>Eg</b>	3	0	$\mathbb{Q}_{4,0}^{(h,E_g,3)}$	<b>Qh(4, Eg, 3, 0)</b>	$C_2$
25	$E_g$	<b>Eg</b>	3	1	$\mathbb{Q}_{4,1}^{(h,E_g,3)}$	<b>Qh(4, Eg, 3, 1)</b>	$-S_2$

表 6 rank 5

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
26	$A_u$	Au	1	—	$\mathbb{Q}_5^{(h,A_u,1)}$	Qh(5, Au, 1, )	$C_0$
27	$A_u$	Au	2	—	$\mathbb{Q}_5^{(h,A_u,2)}$	Qh(5, Au, 2, )	$S_3$
28	$A_u$	Au	3	—	$\mathbb{Q}_5^{(h,A_u,3)}$	Qh(5, Au, 3, )	$C_3$
29	$E_u$	Eu	1	0	$\mathbb{Q}_{5,0}^{(h,E_u,1)}$	Qh(5, Eu, 1, 0)	$C_5$
30	$E_u$	Eu	1	1	$\mathbb{Q}_{5,1}^{(h,E_u,1)}$	Qh(5, Eu, 1, 1)	$-S_5$
31	$E_u$	Eu	2	0	$\mathbb{Q}_{5,0}^{(h,E_u,2)}$	Qh(5, Eu, 2, 0)	$C_1$
32	$E_u$	Eu	2	1	$\mathbb{Q}_{5,1}^{(h,E_u,2)}$	Qh(5, Eu, 2, 1)	$S_1$
33	$E_u$	Eu	3	0	$\mathbb{Q}_{5,0}^{(h,E_u,3)}$	Qh(5, Eu, 3, 0)	$C_4$
34	$E_u$	Eu	3	1	$\mathbb{Q}_{5,1}^{(h,E_u,3)}$	Qh(5, Eu, 3, 1)	$S_4$
35	$E_u$	Eu	4	0	$\mathbb{Q}_{5,0}^{(h,E_u,4)}$	Qh(5, Eu, 4, 0)	$C_2$
36	$E_u$	Eu	4	1	$\mathbb{Q}_{5,1}^{(h,E_u,4)}$	Qh(5, Eu, 4, 1)	$-S_2$

表 7 rank 6

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
37	$A_g$	Ag	1	—	$\mathbb{Q}_6^{(h,A_g,1)}$	Qh(6, Ag, 1, )	$C_0$
38	$A_g$	Ag	2	—	$\mathbb{Q}_6^{(h,A_g,2)}$	Qh(6, Ag, 2, )	$C_6$
39	$A_g$	Ag	3	—	$\mathbb{Q}_6^{(h,A_g,3)}$	Qh(6, Ag, 3, )	$S_6$
40	$A_g$	Ag	4	—	$\mathbb{Q}_6^{(h,A_g,4)}$	Qh(6, Ag, 4, )	$C_3$
41	$A_g$	Ag	5	—	$\mathbb{Q}_6^{(h,A_g,5)}$	Qh(6, Ag, 5, )	$S_3$
42	$E_g$	Eg	1	0	$\mathbb{Q}_{6,0}^{(h,E_g,1)}$	Qh(6, Eg, 1, 0)	$C_5$
43	$E_g$	Eg	1	1	$\mathbb{Q}_{6,1}^{(h,E_g,1)}$	Qh(6, Eg, 1, 1)	$-S_5$
44	$E_g$	Eg	2	0	$\mathbb{Q}_{6,0}^{(h,E_g,2)}$	Qh(6, Eg, 2, 0)	$C_1$
45	$E_g$	Eg	2	1	$\mathbb{Q}_{6,1}^{(h,E_g,2)}$	Qh(6, Eg, 2, 1)	$S_1$
46	$E_g$	Eg	3	0	$\mathbb{Q}_{6,0}^{(h,E_g,3)}$	Qh(6, Eg, 3, 0)	$C_4$
47	$E_g$	Eg	3	1	$\mathbb{Q}_{6,1}^{(h,E_g,3)}$	Qh(6, Eg, 3, 1)	$S_4$
48	$E_g$	Eg	4	0	$\mathbb{Q}_{6,0}^{(h,E_g,4)}$	Qh(6, Eg, 4, 0)	$C_2$
49	$E_g$	Eg	4	1	$\mathbb{Q}_{6,1}^{(h,E_g,4)}$	Qh(6, Eg, 4, 1)	$-S_2$

表 8 rank 7

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
50	$A_u$	Au	1	—	$Q_7^{(h,A_u,1)}$	Qh(7, Au, 1, )	$S_6$
51	$A_u$	Au	2	—	$Q_7^{(h,A_u,2)}$	Qh(7, Au, 2, )	$C_0$
52	$A_u$	Au	3	—	$Q_7^{(h,A_u,3)}$	Qh(7, Au, 3, )	$C_6$
53	$A_u$	Au	4	—	$Q_7^{(h,A_u,4)}$	Qh(7, Au, 4, )	$S_3$
54	$A_u$	Au	5	—	$Q_7^{(h,A_u,5)}$	Qh(7, Au, 5, )	$C_3$
55	$E_u$	Eu	1	0	$Q_{7,0}^{(h,E_u,1)}$	Qh(7, Eu, 1, 0)	$C_7$
56	$E_u$	Eu	1	1	$Q_{7,1}^{(h,E_u,1)}$	Qh(7, Eu, 1, 1)	$S_7$
57	$E_u$	Eu	2	0	$Q_{7,0}^{(h,E_u,2)}$	Qh(7, Eu, 2, 0)	$C_5$
58	$E_u$	Eu	2	1	$Q_{7,1}^{(h,E_u,2)}$	Qh(7, Eu, 2, 1)	$-S_5$
59	$E_u$	Eu	3	0	$Q_{7,0}^{(h,E_u,3)}$	Qh(7, Eu, 3, 0)	$C_1$
60	$E_u$	Eu	3	1	$Q_{7,1}^{(h,E_u,3)}$	Qh(7, Eu, 3, 1)	$S_1$
61	$E_u$	Eu	4	0	$Q_{7,0}^{(h,E_u,4)}$	Qh(7, Eu, 4, 0)	$C_4$
62	$E_u$	Eu	4	1	$Q_{7,1}^{(h,E_u,4)}$	Qh(7, Eu, 4, 1)	$S_4$
63	$E_u$	Eu	5	0	$Q_{7,0}^{(h,E_u,5)}$	Qh(7, Eu, 5, 0)	$C_2$
64	$E_u$	Eu	5	1	$Q_{7,1}^{(h,E_u,5)}$	Qh(7, Eu, 5, 1)	$-S_2$

表 9 rank 8

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
65	$A_g$	Ag	1	—	$Q_8^{(h,A_g,1)}$	Qh(8, Ag, 1, )	$C_0$
66	$A_g$	Ag	2	—	$Q_8^{(h,A_g,2)}$	Qh(8, Ag, 2, )	$C_6$
67	$A_g$	Ag	3	—	$Q_8^{(h,A_g,3)}$	Qh(8, Ag, 3, )	$S_6$
68	$A_g$	Ag	4	—	$Q_8^{(h,A_g,4)}$	Qh(8, Ag, 4, )	$C_3$
69	$A_g$	Ag	5	—	$Q_8^{(h,A_g,5)}$	Qh(8, Ag, 5, )	$S_3$
70	$E_g$	Eg	1	0	$Q_{8,0}^{(h,E_g,1)}$	Qh(8, Eg, 1, 0)	$C_7$
71	$E_g$	Eg	1	1	$Q_{8,1}^{(h,E_g,1)}$	Qh(8, Eg, 1, 1)	$S_7$
72	$E_g$	Eg	2	0	$Q_{8,0}^{(h,E_g,2)}$	Qh(8, Eg, 2, 0)	$C_5$
73	$E_g$	Eg	2	1	$Q_{8,1}^{(h,E_g,2)}$	Qh(8, Eg, 2, 1)	$-S_5$
74	$E_g$	Eg	3	0	$Q_{8,0}^{(h,E_g,3)}$	Qh(8, Eg, 3, 0)	$C_1$
75	$E_g$	Eg	3	1	$Q_{8,1}^{(h,E_g,3)}$	Qh(8, Eg, 3, 1)	$S_1$
76	$E_g$	Eg	4	0	$Q_{8,0}^{(h,E_g,4)}$	Qh(8, Eg, 4, 0)	$C_8$
77	$E_g$	Eg	4	1	$Q_{8,1}^{(h,E_g,4)}$	Qh(8, Eg, 4, 1)	$-S_8$
78	$E_g$	Eg	5	0	$Q_{8,0}^{(h,E_g,5)}$	Qh(8, Eg, 5, 0)	$C_4$
79	$E_g$	Eg	5	1	$Q_{8,1}^{(h,E_g,5)}$	Qh(8, Eg, 5, 1)	$S_4$
80	$E_g$	Eg	6	0	$Q_{8,0}^{(h,E_g,6)}$	Qh(8, Eg, 6, 0)	$C_2$
81	$E_g$	Eg	6	1	$Q_{8,1}^{(h,E_g,6)}$	Qh(8, Eg, 6, 1)	$-S_2$

表 10 rank 9

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
82	$A_u$	<b>Au</b>	1	—	$\mathbb{Q}_9^{(h,A_u,1)}$	$\text{Qh}(9, \text{Au}, 1, )$	$S_6$
83	$A_u$	<b>Au</b>	2	—	$\mathbb{Q}_9^{(h,A_u,2)}$	$\text{Qh}(9, \text{Au}, 2, )$	$C_0$
84	$A_u$	<b>Au</b>	3	—	$\mathbb{Q}_9^{(h,A_u,3)}$	$\text{Qh}(9, \text{Au}, 3, )$	$C_6$
85	$A_u$	<b>Au</b>	4	—	$\mathbb{Q}_9^{(h,A_u,4)}$	$\text{Qh}(9, \text{Au}, 4, )$	$S_9$
86	$A_u$	<b>Au</b>	5	—	$\mathbb{Q}_9^{(h,A_u,5)}$	$\text{Qh}(9, \text{Au}, 5, )$	$S_3$
87	$A_u$	<b>Au</b>	6	—	$\mathbb{Q}_9^{(h,A_u,6)}$	$\text{Qh}(9, \text{Au}, 6, )$	$C_9$
88	$A_u$	<b>Au</b>	7	—	$\mathbb{Q}_9^{(h,A_u,7)}$	$\text{Qh}(9, \text{Au}, 7, )$	$C_3$
89	$E_u$	<b>Eu</b>	1	0	$\mathbb{Q}_{9,0}^{(h,E_u,1)}$	$\text{Qh}(9, \text{Eu}, 1, 0)$	$C_7$
90	$E_u$	<b>Eu</b>	1	1	$\mathbb{Q}_{9,1}^{(h,E_u,1)}$	$\text{Qh}(9, \text{Eu}, 1, 1)$	$S_7$
91	$E_u$	<b>Eu</b>	2	0	$\mathbb{Q}_{9,0}^{(h,E_u,2)}$	$\text{Qh}(9, \text{Eu}, 2, 0)$	$C_5$
92	$E_u$	<b>Eu</b>	2	1	$\mathbb{Q}_{9,1}^{(h,E_u,2)}$	$\text{Qh}(9, \text{Eu}, 2, 1)$	$-S_5$
93	$E_u$	<b>Eu</b>	3	0	$\mathbb{Q}_{9,0}^{(h,E_u,3)}$	$\text{Qh}(9, \text{Eu}, 3, 0)$	$C_1$
94	$E_u$	<b>Eu</b>	3	1	$\mathbb{Q}_{9,1}^{(h,E_u,3)}$	$\text{Qh}(9, \text{Eu}, 3, 1)$	$S_1$
95	$E_u$	<b>Eu</b>	4	0	$\mathbb{Q}_{9,0}^{(h,E_u,4)}$	$\text{Qh}(9, \text{Eu}, 4, 0)$	$C_8$
96	$E_u$	<b>Eu</b>	4	1	$\mathbb{Q}_{9,1}^{(h,E_u,4)}$	$\text{Qh}(9, \text{Eu}, 4, 1)$	$-S_8$
97	$E_u$	<b>Eu</b>	5	0	$\mathbb{Q}_{9,0}^{(h,E_u,5)}$	$\text{Qh}(9, \text{Eu}, 5, 0)$	$C_4$
98	$E_u$	<b>Eu</b>	5	1	$\mathbb{Q}_{9,1}^{(h,E_u,5)}$	$\text{Qh}(9, \text{Eu}, 5, 1)$	$S_4$
99	$E_u$	<b>Eu</b>	6	0	$\mathbb{Q}_{9,0}^{(h,E_u,6)}$	$\text{Qh}(9, \text{Eu}, 6, 0)$	$C_2$
100	$E_u$	<b>Eu</b>	6	1	$\mathbb{Q}_{9,1}^{(h,E_u,6)}$	$\text{Qh}(9, \text{Eu}, 6, 1)$	$-S_2$

表 11 rank 10

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
101	$A_g$	<b>Ag</b>	1	—	$\mathbb{Q}_{10}^{(h,A_g,1)}$	$\text{Qh}(10, \text{Ag}, 1, )$	$C_0$
102	$A_g$	<b>Ag</b>	2	—	$\mathbb{Q}_{10}^{(h,A_g,2)}$	$\text{Qh}(10, \text{Ag}, 2, )$	$C_6$
103	$A_g$	<b>Ag</b>	3	—	$\mathbb{Q}_{10}^{(h,A_g,3)}$	$\text{Qh}(10, \text{Ag}, 3, )$	$S_6$
104	$A_g$	<b>Ag</b>	4	—	$\mathbb{Q}_{10}^{(h,A_g,4)}$	$\text{Qh}(10, \text{Ag}, 4, )$	$C_9$
105	$A_g$	<b>Ag</b>	5	—	$\mathbb{Q}_{10}^{(h,A_g,5)}$	$\text{Qh}(10, \text{Ag}, 5, )$	$C_3$
106	$A_g$	<b>Ag</b>	6	—	$\mathbb{Q}_{10}^{(h,A_g,6)}$	$\text{Qh}(10, \text{Ag}, 6, )$	$S_9$
107	$A_g$	<b>Ag</b>	7	—	$\mathbb{Q}_{10}^{(h,A_g,7)}$	$\text{Qh}(10, \text{Ag}, 7, )$	$S_3$
108	$E_g$	<b>Eg</b>	1	0	$\mathbb{Q}_{10,0}^{(h,E_g,1)}$	$\text{Qh}(10, \text{Eg}, 1, 0)$	$C_7$
109	$E_g$	<b>Eg</b>	1	1	$\mathbb{Q}_{10,1}^{(h,E_g,1)}$	$\text{Qh}(10, \text{Eg}, 1, 1)$	$S_7$
110	$E_g$	<b>Eg</b>	2	0	$\mathbb{Q}_{10,0}^{(h,E_g,2)}$	$\text{Qh}(10, \text{Eg}, 2, 0)$	$C_5$
111	$E_g$	<b>Eg</b>	2	1	$\mathbb{Q}_{10,1}^{(h,E_g,2)}$	$\text{Qh}(10, \text{Eg}, 2, 1)$	$-S_5$
112	$E_g$	<b>Eg</b>	3	0	$\mathbb{Q}_{10,0}^{(h,E_g,3)}$	$\text{Qh}(10, \text{Eg}, 3, 0)$	$C_1$
113	$E_g$	<b>Eg</b>	3	1	$\mathbb{Q}_{10,1}^{(h,E_g,3)}$	$\text{Qh}(10, \text{Eg}, 3, 1)$	$S_1$
114	$E_g$	<b>Eg</b>	4	0	$\mathbb{Q}_{10,0}^{(h,E_g,4)}$	$\text{Qh}(10, \text{Eg}, 4, 0)$	$C_{10}$
115	$E_g$	<b>Eg</b>	4	1	$\mathbb{Q}_{10,1}^{(h,E_g,4)}$	$\text{Qh}(10, \text{Eg}, 4, 1)$	$S_{10}$
116	$E_g$	<b>Eg</b>	5	0	$\mathbb{Q}_{10,0}^{(h,E_g,5)}$	$\text{Qh}(10, \text{Eg}, 5, 0)$	$C_8$
117	$E_g$	<b>Eg</b>	5	1	$\mathbb{Q}_{10,1}^{(h,E_g,5)}$	$\text{Qh}(10, \text{Eg}, 5, 1)$	$-S_8$
118	$E_g$	<b>Eg</b>	6	0	$\mathbb{Q}_{10,0}^{(h,E_g,6)}$	$\text{Qh}(10, \text{Eg}, 6, 0)$	$C_4$
119	$E_g$	<b>Eg</b>	6	1	$\mathbb{Q}_{10,1}^{(h,E_g,6)}$	$\text{Qh}(10, \text{Eg}, 6, 1)$	$S_4$
120	$E_g$	<b>Eg</b>	7	0	$\mathbb{Q}_{10,0}^{(h,E_g,7)}$	$\text{Qh}(10, \text{Eg}, 7, 0)$	$C_2$
121	$E_g$	<b>Eg</b>	7	1	$\mathbb{Q}_{10,1}^{(h,E_g,7)}$	$\text{Qh}(10, \text{Eg}, 7, 1)$	$-S_2$

表 12 rank 11

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
122	$A_u$	Au	1	—	$\mathbb{Q}_{11}^{(h,A_u,1)}$	$\text{Qh}(11, \text{Au}, 1, )$	$S_6$
123	$A_u$	Au	2	—	$\mathbb{Q}_{11}^{(h,A_u,2)}$	$\text{Qh}(11, \text{Au}, 2, )$	$C_0$
124	$A_u$	Au	3	—	$\mathbb{Q}_{11}^{(h,A_u,3)}$	$\text{Qh}(11, \text{Au}, 3, )$	$C_6$
125	$A_u$	Au	4	—	$\mathbb{Q}_{11}^{(h,A_u,4)}$	$\text{Qh}(11, \text{Au}, 4, )$	$S_9$
126	$A_u$	Au	5	—	$\mathbb{Q}_{11}^{(h,A_u,5)}$	$\text{Qh}(11, \text{Au}, 5, )$	$S_3$
127	$A_u$	Au	6	—	$\mathbb{Q}_{11}^{(h,A_u,6)}$	$\text{Qh}(11, \text{Au}, 6, )$	$C_9$
128	$A_u$	Au	7	—	$\mathbb{Q}_{11}^{(h,A_u,7)}$	$\text{Qh}(11, \text{Au}, 7, )$	$C_3$
129	$E_u$	Eu	1	0	$\mathbb{Q}_{11,0}^{(h,E_u,1)}$	$\text{Qh}(11, \text{Eu}, 1, 0)$	$C_{11}$
130	$E_u$	Eu	1	1	$\mathbb{Q}_{11,1}^{(h,E_u,1)}$	$\text{Qh}(11, \text{Eu}, 1, 1)$	$-S_{11}$
131	$E_u$	Eu	2	0	$\mathbb{Q}_{11,0}^{(h,E_u,2)}$	$\text{Qh}(11, \text{Eu}, 2, 0)$	$C_7$
132	$E_u$	Eu	2	1	$\mathbb{Q}_{11,1}^{(h,E_u,2)}$	$\text{Qh}(11, \text{Eu}, 2, 1)$	$S_7$
133	$E_u$	Eu	3	0	$\mathbb{Q}_{11,0}^{(h,E_u,3)}$	$\text{Qh}(11, \text{Eu}, 3, 0)$	$C_5$
134	$E_u$	Eu	3	1	$\mathbb{Q}_{11,1}^{(h,E_u,3)}$	$\text{Qh}(11, \text{Eu}, 3, 1)$	$-S_5$
135	$E_u$	Eu	4	0	$\mathbb{Q}_{11,0}^{(h,E_u,4)}$	$\text{Qh}(11, \text{Eu}, 4, 0)$	$C_1$
136	$E_u$	Eu	4	1	$\mathbb{Q}_{11,1}^{(h,E_u,4)}$	$\text{Qh}(11, \text{Eu}, 4, 1)$	$S_1$
137	$E_u$	Eu	5	0	$\mathbb{Q}_{11,0}^{(h,E_u,5)}$	$\text{Qh}(11, \text{Eu}, 5, 0)$	$C_{10}$
138	$E_u$	Eu	5	1	$\mathbb{Q}_{11,1}^{(h,E_u,5)}$	$\text{Qh}(11, \text{Eu}, 5, 1)$	$S_{10}$
139	$E_u$	Eu	6	0	$\mathbb{Q}_{11,0}^{(h,E_u,6)}$	$\text{Qh}(11, \text{Eu}, 6, 0)$	$C_8$
140	$E_u$	Eu	6	1	$\mathbb{Q}_{11,1}^{(h,E_u,6)}$	$\text{Qh}(11, \text{Eu}, 6, 1)$	$-S_8$
141	$E_u$	Eu	7	0	$\mathbb{Q}_{11,0}^{(h,E_u,7)}$	$\text{Qh}(11, \text{Eu}, 7, 0)$	$C_4$
142	$E_u$	Eu	7	1	$\mathbb{Q}_{11,1}^{(h,E_u,7)}$	$\text{Qh}(11, \text{Eu}, 7, 1)$	$S_4$
143	$E_u$	Eu	8	0	$\mathbb{Q}_{11,0}^{(h,E_u,8)}$	$\text{Qh}(11, \text{Eu}, 8, 0)$	$C_2$
144	$E_u$	Eu	8	1	$\mathbb{Q}_{11,1}^{(h,E_u,8)}$	$\text{Qh}(11, \text{Eu}, 8, 1)$	$-S_2$