## No. 18 $D_3-1$ 321 (321 setting) [trigonal] (polar)

表 1 rank 0

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
1	$A_1$	A1	_	_	$\mathbb{Q}_0^{(h,A_1)}$	$\mathtt{Qh}(\mathtt{0},\mathtt{A1},,)$	$C_0$

表 2 rank 1

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
2	$A_2$	A2	_	_	$\mathbb{Q}_1^{(h,A_2)}$	$\mathtt{Qh}(\mathtt{1},\mathtt{A2},,)$	$C_0$
3	E	E	_	0	$\mathbb{Q}_{1,0}^{(h,E)}$	$\mathtt{Qh}(\mathtt{1},\mathtt{E},,\mathtt{0})$	$C_1$
4	E	E	_	1	$\mathbb{Q}_{1,1}^{(h,E)}$	$\mathtt{Qh}(\mathtt{1},\mathtt{E},,\mathtt{1})$	$S_1$

表 3 rank 2

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
5	$A_1$	A1	_	_	$\mathbb{Q}_2^{(h,A_1)}$	$\mathtt{Qh}(\mathtt{2},\mathtt{A1},,)$	$C_0$
6	E	E	1	0	$\mathbb{Q}_{2,0}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{2},\mathtt{E},\mathtt{1},\mathtt{0})$	$S_1$
7	E	E	1	1	$\mathbb{Q}_{2,1}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{2},\mathtt{E},\mathtt{1},\mathtt{1})$	$-C_1$
8	E	E	2	0	$\mathbb{Q}_{2,0}^{(h,E,2)}$	$\mathtt{Qh}(2,\mathtt{E},2,\mathtt{0})$	$C_2$
9	E	E	2	1	$\mathbb{Q}_{2,1}^{(h,E,2)}$	$\mathtt{Qh}(2,\mathtt{E},2,1)$	$-S_2$

表 4 rank 3

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
10	$A_1$	A1	-	_	$\mathbb{Q}_3^{(h,A_1)}$	$\mathtt{Qh}(\mathtt{3},\mathtt{A1},,)$	$C_3$
11	$A_2$	A2	1	_	$\mathbb{Q}_3^{(h,A_2,1)}$	$\mathtt{Qh}(\mathtt{3},\mathtt{A2},\mathtt{1},)$	$C_0$
12	$A_2$	A2	2	_	$\mathbb{Q}_3^{(h,A_2,2)}$	$\mathtt{Qh}(\mathtt{3},\mathtt{A2},\mathtt{2},)$	$S_3$
13	E	E	1	0	$\mathbb{Q}_{3,0}^{(h,E,1)}$	$\mathtt{Qh}(3,\mathtt{E},\mathtt{1},\mathtt{0})$	$C_1$
14	E	E	1	1	$\mathbb{Q}_{3,1}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{3},\mathtt{E},\mathtt{1},\mathtt{1})$	$S_1$
15	E	E	2	0	$\mathbb{Q}_{3,0}^{(h,E,2)}$	$\mathtt{Qh}(3,\mathtt{E},2,\mathtt{0})$	$-S_2$
16	E	E	2	1	$\mathbb{Q}_{3,1}^{(h,E,2)}$	$\mathtt{Qh}(3,\mathtt{E},2,1)$	$-C_2$

表 5 rank 4

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
17	$A_1$	A1	1	-	$\mathbb{Q}_4^{(h,A_1,1)}$	$\mathtt{Qh}(\mathtt{4},\mathtt{A1},\mathtt{1},)$	$C_0$
18	$A_1$	A1	2	_	$\mathbb{Q}_4^{(h,A_1,2)}$	$\mathtt{Qh}(\mathtt{4},\mathtt{A1},\mathtt{2},)$	$S_3$
19	$A_2$	A2	_	-	$\mathbb{Q}_4^{(h,A_2)}$	$\mathtt{Qh}(\mathtt{4},\mathtt{A2},,)$	$C_3$
20	E	E	1	0	$\mathbb{Q}_{4,0}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{4},\mathtt{E},\mathtt{1},\mathtt{0})$	$S_1$
21	E	E	1	1	$\mathbb{Q}_{4,1}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{4},\mathtt{E},\mathtt{1},\mathtt{1})$	$-C_1$
22	E	E	2	0	$\mathbb{Q}_{4,0}^{(h,E,2)}$	$\mathtt{Qh}(\mathtt{4},\mathtt{E},\mathtt{2},\mathtt{0})$	$C_4$
23	E	E	2	1	$\mathbb{Q}_{4,1}^{(h,E,2)}$	$\mathtt{Qh}(\mathtt{4},\mathtt{E},\mathtt{2},\mathtt{1})$	$S_4$
24	E	E	3	0	$\mathbb{Q}_{4,0}^{(h,E,3)}$	$\mathtt{Qh}(\mathtt{4},\mathtt{E},\mathtt{3},\mathtt{0})$	$C_2$
25	E	E	3	1	$\mathbb{Q}_{4,1}^{(h,E,3)}$	$\mathtt{Qh}(\mathtt{4},\mathtt{E},\mathtt{3},\mathtt{1})$	$-S_2$

表 6 rank 5

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
26	$A_1$	A1	_	_	$\mathbb{Q}_5^{(h,A_1)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{A1},,)$	$C_3$
27	$A_2$	A2	1	_	$\mathbb{Q}_5^{(h,A_2,1)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{A2},\mathtt{1},)$	$C_0$
28	$A_2$	A2	2	-	$\mathbb{Q}_{5}^{(h,A_{2},2)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{A2},\mathtt{2},)$	$S_3$
29	E	E	1	0	$\mathbb{Q}_{5,0}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{E},\mathtt{1},\mathtt{0})$	$C_5$
30	E	E	1	1	$\mathbb{Q}_{5,1}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{E},\mathtt{1},\mathtt{1})$	$-S_5$
31	E	E	2	0	$\mathbb{Q}_{5,0}^{(h,E,2)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{E},\mathtt{2},\mathtt{0})$	$C_1$
32	E	E	2	1	$\mathbb{Q}_{5,1}^{(h,E,2)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{E},\mathtt{2},\mathtt{1})$	$S_1$
33	E	E	3	0	$\mathbb{Q}_{5,0}^{(h,E,3)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{E},\mathtt{3},\mathtt{0})$	$S_4$
34	E	E	3	1	$\mathbb{Q}_{5,1}^{(h,E,3)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{E},\mathtt{3},\mathtt{1})$	$-C_4$
35	E	E	4	0	$\mathbb{Q}_{5,0}^{(h,E,4)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{E},\mathtt{4},\mathtt{0})$	$-S_2$
36	E	E	4	1	$\mathbb{Q}_{5,1}^{(h,E,4)}$	$\mathtt{Qh}(\mathtt{5},\mathtt{E},\mathtt{4},\mathtt{1})$	$-C_2$

表 7 rank 6

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
37	$A_1$	A1	1	_	$\mathbb{Q}_6^{(h,A_1,1)}$	Qh(6, A1, 1,)	$C_0$
38	$A_1$	A1	2	_	$\mathbb{Q}_6^{(h,A_1,2)}$	$\mathtt{Qh}(6,\mathtt{A1},2,)$	$C_6$
39	$A_1$	A1	3	_	$\mathbb{Q}_6^{(h,A_1,3)}$	$\mathtt{Qh}(6,\mathtt{A1},\mathtt{3},)$	$S_3$
40	$A_2$	A2	1	-	$\mathbb{Q}_6^{(h,A_2,1)}$	$\mathtt{Qh}(6,\mathtt{A2},\mathtt{1},)$	$S_6$
41	$A_2$	A2	2	-	$\mathbb{Q}_6^{(h,A_2,2)}$	$\mathtt{Qh}(6,\mathtt{A2},2,)$	$C_3$
42	E	E	1	0	$\mathbb{Q}_{6,0}^{(h,E,1)}$	$\mathtt{Qh}(6,\mathtt{E},\mathtt{1},\mathtt{0})$	$-S_5$
43	E	E	1	1	$\mathbb{Q}_{6,1}^{(h,E,1)}$	$\mathtt{Qh}(6,\mathtt{E},\mathtt{1},\mathtt{1})$	$-C_5$
44	E	E	2	0	$\mathbb{Q}_{6,0}^{(h,E,2)}$	$\mathtt{Qh}(6,\mathtt{E},2,\mathtt{0})$	$S_1$
45	E	E	2	1	$\mathbb{Q}_{6,1}^{(h,E,2)}$	$\mathtt{Qh}(6,\mathtt{E},2,1)$	$-C_1$
46	E	E	3	0	$\mathbb{Q}_{6,0}^{(h,E,3)}$	$\mathtt{Qh}(6,\mathtt{E},3,\mathtt{0})$	$C_4$
47	E	E	3	1	$\mathbb{Q}_{6,1}^{(h,E,3)}$	$\mathtt{Qh}(6,\mathtt{E},3,1)$	$S_4$
48	E	E	4	0	$\mathbb{Q}_{6,0}^{(h,E,4)}$	$\mathtt{Qh}(6,\mathtt{E},4,\mathtt{0})$	$C_2$
49	E	E	4	1	$\mathbb{Q}_{6,1}^{(h,E,4)}$	$\mathtt{Qh}(6,\mathtt{E},4,1)$	$-S_2$

表 8 rank 7

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
50	$A_1$	A1	1	_	$\mathbb{Q}_7^{(h,A_1,1)}$	Qh(7, A1, 1,)	$S_6$
51	$A_1$	A1	2	-	$\mathbb{Q}_7^{(h,A_1,2)}$	$\mathtt{Qh}(7,\mathtt{A1},2,)$	$C_3$
52	$A_2$	A2	1	-	$\mathbb{Q}_7^{(h,A_2,1)}$	$\mathtt{Qh}(7,\mathtt{A2},\mathtt{1},)$	$C_0$
53	$A_2$	A2	2	_	$\mathbb{Q}_7^{(h,A_2,2)}$	$\mathtt{Qh}(7,\mathtt{A2},\mathtt{2},)$	$C_6$
54	$A_2$	A2	3	-	$\mathbb{Q}_7^{(h,A_2,3)}$	$\mathtt{Qh}(7,\mathtt{A2},\mathtt{3},)$	$S_3$
55	E	E	1	0	$\mathbb{Q}_{7,0}^{(h,E,1)}$	$\mathtt{Qh}(7,\mathtt{E},\mathtt{1},\mathtt{0})$	$C_7$
56	E	E	1	1	$\mathbb{Q}_{7,1}^{(h,E,1)}$	$\mathtt{Qh}(7,\mathtt{E},\mathtt{1},\mathtt{1})$	$S_7$
57	E	E	2	0	$\mathbb{Q}_{7,0}^{(h,E,2)}$	$\mathtt{Qh}(7,\mathtt{E},2,\mathtt{0})$	$C_5$
58	E	E	2	1	$\mathbb{Q}_{7,1}^{(h,E,2)}$	$\mathtt{Qh}(7,\mathtt{E},2,1)$	$-S_5$
59	E	E	3	0	$\mathbb{Q}_{7,0}^{(h,E,3)}$	$\mathtt{Qh}(7,\mathtt{E},3,\mathtt{0})$	$C_1$
60	E	E	3	1	$\mathbb{Q}_{7,1}^{(h,E,3)}$	$\mathtt{Qh}(7,\mathtt{E},3,1)$	$S_1$
61	E	E	4	0	$\mathbb{Q}_{7,0}^{(h,E,4)}$	$\mathtt{Qh}(7,\mathtt{E},4,\mathtt{0})$	$S_4$
62	E	E	4	1	$\mathbb{Q}_{7,1}^{(h,E,4)}$	$\mathtt{Qh}(7,\mathtt{E},4,1)$	$-C_4$
63	E	E	5	0	$\mathbb{Q}_{7,0}^{(h,E,5)}$	$\mathtt{Qh}(7,\mathtt{E},5,\mathtt{0})$	$-S_2$
64	E	E	5	1	$\mathbb{Q}_{7,1}^{(h,E,5)}$	$\mathtt{Qh}(7,\mathtt{E},5,1)$	$-C_2$

表 9 rank 8

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
65	$A_1$	A1	1	_	$\mathbb{Q}_8^{(h,A_1,1)}$	Qh(8, A1, 1,)	$C_0$
66	$A_1$	A1	2	_	$\mathbb{Q}_8^{(h,A_1,2)}$	$\mathtt{Qh}(8,\mathtt{A1},\mathtt{2},)$	$C_6$
67	$A_1$	A1	3	_	$\mathbb{Q}_8^{(h,A_1,3)}$	$\mathtt{Qh}(8,\mathtt{A1},\mathtt{3},)$	$S_3$
68	$A_2$	A2	1	-	$\mathbb{Q}_8^{(h,A_2,1)}$	$\mathtt{Qh}(8,\mathtt{A2},\mathtt{1},)$	$S_6$
69	$A_2$	A2	2	-	$\mathbb{Q}_8^{(h,A_2,2)}$	$\mathtt{Qh}(8,\mathtt{A2},\mathtt{2},)$	$C_3$
70	E	E	1	0	$\mathbb{Q}_{8,0}^{(h,E,1)}$	$\mathtt{Qh}(8,\mathtt{E},1,\mathtt{0})$	$S_7$
71	E	E	1	1	$\mathbb{Q}_{8,1}^{(h,E,1)}$	$\mathtt{Qh}(8,\mathtt{E},1,1)$	$-C_7$
72	E	E	2	0	$\mathbb{Q}_{8,0}^{(h,E,2)}$	$\mathtt{Qh}(8,\mathtt{E},2,0)$	$-S_5$
73	E	E	2	1	$\mathbb{Q}_{8,1}^{(h,E,2)}$	$\mathtt{Qh}(8,\mathtt{E},2,1)$	$-C_5$
74	E	E	3	0	$\mathbb{Q}_{8,0}^{(h,E,3)}$	$\mathtt{Qh}(8,\mathtt{E},3,0)$	$S_1$
75	E	E	3	1	$\mathbb{Q}_{8,1}^{(h,E,3)}$	$\mathtt{Qh}(8,\mathtt{E},3,1)$	$-C_1$
76	E	E	4	0	$\mathbb{Q}_{8,0}^{(h,E,4)}$	$\mathtt{Qh}(8,\mathtt{E},4,\mathtt{0})$	$C_8$
77	E	E	4	1	$\mathbb{Q}_{8,1}^{(h,E,4)}$	$\mathtt{Qh}(8,\mathtt{E},4,1)$	$-S_8$
78	E	E	5	0	$\mathbb{Q}_{8,0}^{(h,E,5)}$	$\mathtt{Qh}(8,\mathtt{E},5,\mathtt{0})$	$C_4$
79	E	E	5	1	$\mathbb{Q}_{8,1}^{(h,E,5)}$	$\mathtt{Qh}(8,\mathtt{E},5,1)$	$S_4$
80	E	E	6	0	$\mathbb{Q}_{8,0}^{(h,E,6)}$	$\mathtt{Qh}(8,\mathtt{E},6,0)$	$C_2$
81	E	E	6	1	$\mathbb{Q}_{8,1}^{(h,E,6)}$	$\mathtt{Qh}(8,\mathtt{E},6,1)$	$-S_2$

表 10 rank 9

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
82	$A_1$	A1	1	-	$\mathbb{Q}_9^{(h,A_1,1)}$	Qh(9, A1, 1,)	$S_6$
83	$A_1$	A1	2	-	$\mathbb{Q}_9^{(h,A_1,2)}$	$\mathtt{Qh}(9,\mathtt{A1},2,)$	$C_9$
84	$A_1$	A1	3	-	$\mathbb{Q}_9^{(h,A_1,3)}$	$\mathtt{Qh}(9,\mathtt{A1},\mathtt{3},)$	$C_3$
85	$A_2$	A2	1	-	$\mathbb{Q}_9^{(h,A_2,1)}$	$\mathtt{Qh}(9,\mathtt{A2},\mathtt{1},)$	$C_0$
86	$A_2$	A2	2	_	$\mathbb{Q}_9^{(h,A_2,2)}$	$\mathtt{Qh}(9,\mathtt{A2},\mathtt{2},)$	$C_6$
87	$A_2$	A2	3	-	$\mathbb{Q}_9^{(h,A_2,3)}$	$\mathtt{Qh}(9,\mathtt{A2},\mathtt{3},)$	$S_9$
88	$A_2$	A2	4	_	$\mathbb{Q}_9^{(h,A_2,4)}$	$\mathtt{Qh}(9,\mathtt{A2},\mathtt{4},)$	$S_3$
89	E	E	1	0	$\mathbb{Q}_{9,0}^{(h,E,1)}$	$\mathtt{Qh}(9,\mathtt{E},\mathtt{1},\mathtt{0})$	$C_7$
90	E	E	1	1	$\mathbb{Q}_{9,1}^{(h,E,1)}$	$\mathtt{Qh}(9,\mathtt{E},1,1)$	$S_7$
91	E	E	2	0	$\mathbb{Q}_{9,0}^{(h,E,2)}$	$\mathtt{Qh}(9,\mathtt{E},2,0)$	$C_5$
92	E	E	2	1	$\mathbb{Q}_{9,1}^{(h,E,2)}$	$\mathtt{Qh}(9,\mathtt{E},2,1)$	$-S_5$
93	E	E	3	0	$\mathbb{Q}_{9,0}^{(h,E,3)}$	$\mathtt{Qh}(9,\mathtt{E},3,0)$	$C_1$
94	E	E	3	1	$\mathbb{Q}_{9,1}^{(h,E,3)}$	$\mathtt{Qh}(9,\mathtt{E},3,1)$	$S_1$
95	E	E	4	0	$\mathbb{Q}_{9,0}^{(h,E,4)}$	$\mathtt{Qh}(9,\mathtt{E},4,0)$	$-S_8$
96	E	E	4	1	$\mathbb{Q}_{9,1}^{(h,E,4)}$	$\mathtt{Qh}(9,\mathtt{E},4,1)$	$-C_8$
97	E	E	5	0	$\mathbb{Q}_{9,0}^{(h,E,5)}$	$\mathtt{Qh}(9,\mathtt{E},5,0)$	$S_4$
98	E	E	5	1	$\mathbb{Q}_{9,1}^{(h,E,5)}$	$\mathtt{Qh}(9,\mathtt{E},5,1)$	$-C_4$
99	E	E	6	0	$\mathbb{Q}_{9,0}^{(h,E,6)}$	$\mathtt{Qh}(9,\mathtt{E},6,0)$	$-S_2$
100	E	E	6	1	$\mathbb{Q}_{9,1}^{(h,E,6)}$	Qh(9, E, 6, 1)	$-C_2$

表 11 rank 10

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
101	$A_1$	A1	1	-	$\mathbb{Q}_{10}^{(h,A_1,1)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{A1},\mathtt{1},)$	$C_0$
102	$A_1$	A1	2	_	$\mathbb{Q}_{10}^{(h,A_1,2)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{A1},\mathtt{2},)$	$C_6$
103	$A_1$	A1	3	_	$\mathbb{Q}_{10}^{(h,A_1,3)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{A1},\mathtt{3},)$	$S_9$
104	$A_1$	A1	4	_	$\mathbb{Q}_{10}^{(h,A_1,4)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{A1},\mathtt{4},)$	$S_3$
105	$A_2$	A2	1	-	$\mathbb{Q}_{10}^{(h,A_2,1)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{A2},\mathtt{1},)$	$S_6$
106	$A_2$	A2	2	_	$\mathbb{Q}_{10}^{(h,A_2,2)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{A2},\mathtt{2},)$	$C_9$
107	$A_2$	A2	3	_	$\mathbb{Q}_{10}^{(h,A_2,3)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{A2},\mathtt{3},)$	$C_3$
108	E	E	1	0	$\mathbb{Q}_{10,0}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{1},\mathtt{0})$	$S_7$
109	E	E	1	1	$\mathbb{Q}_{10,1}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{1},\mathtt{1})$	$-C_7$
110	E	E	2	0	$\mathbb{Q}_{10,0}^{(h,E,2)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{2},\mathtt{0})$	$-S_5$
111	E	E	2	1	$\mathbb{Q}_{10,1}^{(h,E,2)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{2},\mathtt{1})$	$-C_5$
112	E	E	3	0	$\mathbb{Q}_{10,0}^{(h,E,3)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{3},\mathtt{0})$	$S_1$
113	E	E	3	1	$\mathbb{Q}_{10,1}^{(h,E,3)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{3},\mathtt{1})$	$-C_1$
114	E	E	4	0	$\mathbb{Q}_{10,0}^{(h,E,4)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{4},\mathtt{0})$	$C_{10}$
115	E	E	4	1	$\mathbb{Q}_{10,1}^{(h,E,4)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{4},\mathtt{1})$	$S_{10}$
116	E	E	5	0	$\mathbb{Q}_{10,0}^{(h,E,5)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{5},\mathtt{0})$	$C_8$
117	E	E	5	1	$\mathbb{Q}_{10,1}^{(h,E,5)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},\mathtt{5},\mathtt{1})$	$-S_8$
118	E	E	6	0	$\mathbb{Q}_{10,0}^{(h,E,6)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},6,\mathtt{0})$	$C_4$
119	E	E	6	1	$\mathbb{Q}_{10,1}^{(h,E,6)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},6,\mathtt{1})$	$S_4$
120	E	E	7	0	$\mathbb{Q}_{10,0}^{(h,E,7)}$	$\mathtt{Qh}(\mathtt{10},\mathtt{E},7,\mathtt{0})$	$C_2$
121	E	Е	7	1	$\mathbb{Q}_{10,1}^{(h,E,7)}$	Qh(10, E, 7, 1)	$-S_2$

表 12 rank 11

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
122	$A_1$	A1	1	_	$\mathbb{Q}_{11}^{(h,A_1,1)}$	Qh(11, A1, 1,)	$S_6$
123	$A_1$	A1	2	-	$\mathbb{Q}_{11}^{(h,A_1,2)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{A1},\mathtt{2},)$	$C_9$
124	$A_1$	A1	3	-	$\mathbb{Q}_{11}^{(h,A_1,3)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{A1},\mathtt{3},)$	$C_3$
125	$A_2$	A2	1	_	$\mathbb{Q}_{11}^{(h,A_2,1)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{A2},\mathtt{1},)$	$C_0$
126	$A_2$	A2	2	-	$\mathbb{Q}_{11}^{(h,A_2,2)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{A2},\mathtt{2},)$	$C_6$
127	$A_2$	A2	3	_	$\mathbb{Q}_{11}^{(h,A_2,3)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{A2},\mathtt{3},)$	$S_9$
128	$A_2$	A2	4	_	$\mathbb{Q}_{11}^{(h,A_2,4)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{A2},\mathtt{4},)$	$S_3$
129	E	E	1	0	$\mathbb{Q}_{11,0}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{1},\mathtt{0})$	$C_{11}$
130	E	E	1	1	$\mathbb{Q}_{11,1}^{(h,E,1)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{1},\mathtt{1})$	$-S_{11}$
131	E	E	2	0	$\mathbb{Q}_{11,0}^{(h,E,2)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{2},\mathtt{0})$	$C_7$
132	E	E	2	1	$\mathbb{Q}_{11,1}^{(h,E,2)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{2},\mathtt{1})$	$S_7$
133	E	E	3	0	$\mathbb{Q}_{11,0}^{(h,E,3)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{3},\mathtt{0})$	$C_5$
134	E	E	3	1	$\mathbb{Q}_{11,1}^{(h,E,3)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{3},\mathtt{1})$	$-S_5$
135	E	E	4	0	$\mathbb{Q}_{11,0}^{(h,E,4)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{4},\mathtt{0})$	$C_1$
136	E	E	4	1	$\mathbb{Q}_{11,1}^{(h,E,4)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{4},\mathtt{1})$	$S_1$
137	E	E	5	0	$\mathbb{Q}_{11,0}^{(h,E,5)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{5},\mathtt{0})$	$S_{10}$
138	E	E	5	1	$\mathbb{Q}_{11,1}^{(h,E,5)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{5},\mathtt{1})$	$-C_{10}$
139	E	E	6	0	$\mathbb{Q}_{11,0}^{(h,E,6)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},6,\mathtt{0})$	$-S_8$
140	E	E	6	1	$\mathbb{Q}_{11,1}^{(h,E,6)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},6,\mathtt{1})$	$-C_8$
141	E	E	7	0	$\mathbb{Q}_{11,0}^{(h,E,7)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},7,\mathtt{0})$	$S_4$
142	E	E	7	1	$\mathbb{Q}_{11,1}^{(h,E,7)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},7,\mathtt{1})$	$-C_4$
143	E	E	8	0	$\mathbb{Q}_{11,0}^{(h,E,8)}$	$\mathtt{Qh}(\mathtt{11},\mathtt{E},\mathtt{8},\mathtt{0})$	$-S_2$
144	E	E	8	1	$\mathbb{Q}_{11,1}^{(h,E,8)}$	Qh(11, E, 8, 1)	$-C_2$