No. 27　D_{6h}　$6/mmm$　[hexagonal] (polar)

表1　rank 0

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
1	A_{1g}	A1g	–	–	$\mathbb{Q}_0^{(h,A_{1g})}$	Qh(0,A1g,,)	C_0

表2　rank 1

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
2	A_{2u}	A2u	–	–	$\mathbb{Q}_1^{(h,A_{2u})}$	Qh(1,A2u,,)	C_0
3	E_{1u}	E1u	–	0	$\mathbb{Q}_{1,0}^{(h,E_{1u})}$	Qh(1,E1u,,0)	C_1
4	E_{1u}	E1u	–	1	$\mathbb{Q}_{1,1}^{(h,E_{1u})}$	Qh(1,E1u,,1)	S_1

表3　rank 2

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
5	A_{1g}	A1g	–	–	$\mathbb{Q}_2^{(h,A_{1g})}$	Qh(2,A1g,,)	C_0
6	E_{1g}	E1g	–	0	$\mathbb{Q}_{2,0}^{(h,E_{1g})}$	Qh(2,E1g,,0)	C_1
7	E_{1g}	E1g	–	1	$\mathbb{Q}_{2,1}^{(h,E_{1g})}$	Qh(2,E1g,,1)	S_1
8	E_{2g}	E2g	–	0	$\mathbb{Q}_{2,0}^{(h,E_{2g})}$	Qh(2,E2g,,0)	C_2
9	E_{2g}	E2g	–	1	$\mathbb{Q}_{2,1}^{(h,E_{2g})}$	Qh(2,E2g,,1)	$-S_2$

表4　rank 3

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
10	A_{2u}	A2u	–	–	$\mathbb{Q}_3^{(h,A_{2u})}$	Qh(3,A2u,,)	C_0
11	B_{1u}	B1u	–	–	$\mathbb{Q}_3^{(h,B_{1u})}$	Qh(3,B1u,,)	S_3
12	B_{2u}	B2u	–	–	$\mathbb{Q}_3^{(h,B_{2u})}$	Qh(3,B2u,,)	C_3
13	E_{1u}	E1u	–	0	$\mathbb{Q}_{3,0}^{(h,E_{1u})}$	Qh(3,E1u,,0)	C_1
14	E_{1u}	E1u	–	1	$\mathbb{Q}_{3,1}^{(h,E_{1u})}$	Qh(3,E1u,,1)	S_1
15	E_{2u}	E2u	–	0	$\mathbb{Q}_{3,0}^{(h,E_{2u})}$	Qh(3,E2u,,0)	C_2
16	E_{2u}	E2u	–	1	$\mathbb{Q}_{3,1}^{(h,E_{2u})}$	Qh(3,E2u,,1)	$-S_2$

表5　rank 4

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
17	A_{1g}	A1g	–	–	$\mathbb{Q}_4^{(h,A_{1g})}$	Qh(4,A1g,,)	C_0
18	B_{1g}	B1g	–	–	$\mathbb{Q}_4^{(h,B_{1g})}$	Qh(4,B1g,,)	C_3
19	B_{2g}	B2g	–	–	$\mathbb{Q}_4^{(h,B_{2g})}$	Qh(4,B2g,,)	S_3
20	E_{1g}	E1g	–	0	$\mathbb{Q}_{4,0}^{(h,E_{1g})}$	Qh(4,E1g,,0)	C_1
21	E_{1g}	E1g	–	1	$\mathbb{Q}_{4,1}^{(h,E_{1g})}$	Qh(4,E1g,,1)	S_1
22	E_{2g}	E2g	1	0	$\mathbb{Q}_{4,0}^{(h,E_{2g},1)}$	Qh(4,E2g,1,0)	C_4
23	E_{2g}	E2g	1	1	$\mathbb{Q}_{4,1}^{(h,E_{2g},1)}$	Qh(4,E2g,1,1)	S_4
24	E_{2g}	E2g	2	0	$\mathbb{Q}_{4,0}^{(h,E_{2g},2)}$	Qh(4,E2g,2,0)	C_2
25	E_{2g}	E2g	2	1	$\mathbb{Q}_{4,1}^{(h,E_{2g},2)}$	Qh(4,E2g,2,1)	$-S_2$

表6 rank 5

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
26	A_{2u}	A2u	—	—	$\mathbb{Q}_5^{(h,A_{2u})}$	Qh(5, A2u, ,)	C_0
27	B_{1u}	B1u	—	—	$\mathbb{Q}_5^{(h,B_{1u})}$	Qh(5, B1u, ,)	S_3
28	B_{2u}	B2u	—	—	$\mathbb{Q}_5^{(h,B_{2u})}$	Qh(5, B2u, ,)	C_3
29	E_{1u}	E1u	1	0	$\mathbb{Q}_{5,0}^{(h,E_{1u},1)}$	Qh(5, E1u, 1, 0)	C_5
30	E_{1u}	E1u	1	1	$\mathbb{Q}_{5,1}^{(h,E_{1u},1)}$	Qh(5, E1u, 1, 1)	$-S_5$
31	E_{1u}	E1u	2	0	$\mathbb{Q}_{5,0}^{(h,E_{1u},2)}$	Qh(5, E1u, 2, 0)	C_1
32	E_{1u}	E1u	2	1	$\mathbb{Q}_{5,1}^{(h,E_{1u},2)}$	Qh(5, E1u, 2, 1)	S_1
33	E_{2u}	E2u	1	0	$\mathbb{Q}_{5,0}^{(h,E_{2u},1)}$	Qh(5, E2u, 1, 0)	C_4
34	E_{2u}	E2u	1	1	$\mathbb{Q}_{5,1}^{(h,E_{2u},1)}$	Qh(5, E2u, 1, 1)	S_4
35	E_{2u}	E2u	2	0	$\mathbb{Q}_{5,0}^{(h,E_{2u},2)}$	Qh(5, E2u, 2, 0)	C_2
36	E_{2u}	E2u	2	1	$\mathbb{Q}_{5,1}^{(h,E_{2u},2)}$	Qh(5, E2u, 2, 1)	$-S_2$

表7 rank 6

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
37	A_{1g}	A1g	1	—	$\mathbb{Q}_6^{(h,A_{1g},1)}$	Qh(6, A1g, 1,)	C_0
38	A_{1g}	A1g	2	—	$\mathbb{Q}_6^{(h,A_{1g},2)}$	Qh(6, A1g, 2,)	C_6
39	A_{2g}	A2g	—	—	$\mathbb{Q}_6^{(h,A_{2g})}$	Qh(6, A2g, ,)	S_6
40	B_{1g}	B1g	—	—	$\mathbb{Q}_6^{(h,B_{1g})}$	Qh(6, B1g, ,)	C_3
41	B_{2g}	B2g	—	—	$\mathbb{Q}_6^{(h,B_{2g})}$	Qh(6, B2g, ,)	S_3
42	E_{1g}	E1g	1	0	$\mathbb{Q}_{6,0}^{(h,E_{1g},1)}$	Qh(6, E1g, 1, 0)	C_5
43	E_{1g}	E1g	1	1	$\mathbb{Q}_{6,1}^{(h,E_{1g},1)}$	Qh(6, E1g, 1, 1)	$-S_5$
44	E_{1g}	E1g	2	0	$\mathbb{Q}_{6,0}^{(h,E_{1g},2)}$	Qh(6, E1g, 2, 0)	C_1
45	E_{1g}	E1g	2	1	$\mathbb{Q}_{6,1}^{(h,E_{1g},2)}$	Qh(6, E1g, 2, 1)	S_1
46	E_{2g}	E2g	1	0	$\mathbb{Q}_{6,0}^{(h,E_{2g},1)}$	Qh(6, E2g, 1, 0)	C_4
47	E_{2g}	E2g	1	1	$\mathbb{Q}_{6,1}^{(h,E_{2g},1)}$	Qh(6, E2g, 1, 1)	S_4
48	E_{2g}	E2g	2	0	$\mathbb{Q}_{6,0}^{(h,E_{2g},2)}$	Qh(6, E2g, 2, 0)	C_2
49	E_{2g}	E2g	2	1	$\mathbb{Q}_{6,1}^{(h,E_{2g},2)}$	Qh(6, E2g, 2, 1)	$-S_2$

表8 rank 7

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
50	A_{1u}	A1u	–	–	$\mathbb{Q}_7^{(h,A_{1u})}$	Qh(7, A1u, ,)	S_6
51	A_{2u}	A2u	1	–	$\mathbb{Q}_7^{(h,A_{2u},1)}$	Qh(7, A2u, 1,)	C_0
52	A_{2u}	A2u	2	–	$\mathbb{Q}_7^{(h,A_{2u},2)}$	Qh(7, A2u, 2,)	C_6
53	B_{1u}	B1u	–	–	$\mathbb{Q}_7^{(h,B_{1u})}$	Qh(7, B1u, ,)	S_3
54	B_{2u}	B2u	–	–	$\mathbb{Q}_7^{(h,B_{2u})}$	Qh(7, B2u, ,)	C_3
55	E_{1u}	E1u	1	0	$\mathbb{Q}_{7,0}^{(h,E_{1u},1)}$	Qh(7, E1u, 1, 0)	C_7
56	E_{1u}	E1u	1	1	$\mathbb{Q}_{7,1}^{(h,E_{1u},1)}$	Qh(7, E1u, 1, 1)	S_7
57	E_{1u}	E1u	2	0	$\mathbb{Q}_{7,0}^{(h,E_{1u},2)}$	Qh(7, E1u, 2, 0)	C_5
58	E_{1u}	E1u	2	1	$\mathbb{Q}_{7,1}^{(h,E_{1u},2)}$	Qh(7, E1u, 2, 1)	$-S_5$
59	E_{1u}	E1u	3	0	$\mathbb{Q}_{7,0}^{(h,E_{1u},3)}$	Qh(7, E1u, 3, 0)	C_1
60	E_{1u}	E1u	3	1	$\mathbb{Q}_{7,1}^{(h,E_{1u},3)}$	Qh(7, E1u, 3, 1)	S_1
61	E_{2u}	E2u	1	0	$\mathbb{Q}_{7,0}^{(h,E_{2u},1)}$	Qh(7, E2u, 1, 0)	C_4
62	E_{2u}	E2u	1	1	$\mathbb{Q}_{7,1}^{(h,E_{2u},1)}$	Qh(7, E2u, 1, 1)	S_4
63	E_{2u}	E2u	2	0	$\mathbb{Q}_{7,0}^{(h,E_{2u},2)}$	Qh(7, E2u, 2, 0)	C_2
64	E_{2u}	E2u	2	1	$\mathbb{Q}_{7,1}^{(h,E_{2u},2)}$	Qh(7, E2u, 2, 1)	$-S_2$

表9 rank 8

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
65	A_{1g}	A1g	1	–	$\mathbb{Q}_8^{(h,A_{1g},1)}$	Qh(8, A1g, 1,)	C_0
66	A_{1g}	A1g	2	–	$\mathbb{Q}_8^{(h,A_{1g},2)}$	Qh(8, A1g, 2,)	C_6
67	A_{2g}	A2g	–	–	$\mathbb{Q}_8^{(h,A_{2g})}$	Qh(8, A2g, ,)	S_6
68	B_{1g}	B1g	–	–	$\mathbb{Q}_8^{(h,B_{1g})}$	Qh(8, B1g, ,)	C_3
69	B_{2g}	B2g	–	–	$\mathbb{Q}_8^{(h,B_{2g})}$	Qh(8, B2g, ,)	S_3
70	E_{1g}	E1g	1	0	$\mathbb{Q}_{8,0}^{(h,E_{1g},1)}$	Qh(8, E1g, 1, 0)	C_7
71	E_{1g}	E1g	1	1	$\mathbb{Q}_{8,1}^{(h,E_{1g},1)}$	Qh(8, E1g, 1, 1)	S_7
72	E_{1g}	E1g	2	0	$\mathbb{Q}_{8,0}^{(h,E_{1g},2)}$	Qh(8, E1g, 2, 0)	C_5
73	E_{1g}	E1g	2	1	$\mathbb{Q}_{8,1}^{(h,E_{1g},2)}$	Qh(8, E1g, 2, 1)	$-S_5$
74	E_{1g}	E1g	3	0	$\mathbb{Q}_{8,0}^{(h,E_{1g},3)}$	Qh(8, E1g, 3, 0)	C_1
75	E_{1g}	E1g	3	1	$\mathbb{Q}_{8,1}^{(h,E_{1g},3)}$	Qh(8, E1g, 3, 1)	S_1
76	E_{2g}	E2g	1	0	$\mathbb{Q}_{8,0}^{(h,E_{2g},1)}$	Qh(8, E2g, 1, 0)	C_8
77	E_{2g}	E2g	1	1	$\mathbb{Q}_{8,1}^{(h,E_{2g},1)}$	Qh(8, E2g, 1, 1)	$-S_8$
78	E_{2g}	E2g	2	0	$\mathbb{Q}_{8,0}^{(h,E_{2g},2)}$	Qh(8, E2g, 2, 0)	C_4
79	E_{2g}	E2g	2	1	$\mathbb{Q}_{8,1}^{(h,E_{2g},2)}$	Qh(8, E2g, 2, 1)	S_4
80	E_{2g}	E2g	3	0	$\mathbb{Q}_{8,0}^{(h,E_{2g},3)}$	Qh(8, E2g, 3, 0)	C_2
81	E_{2g}	E2g	3	1	$\mathbb{Q}_{8,1}^{(h,E_{2g},3)}$	Qh(8, E2g, 3, 1)	$-S_2$

表 10 rank 9

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
82	A_{1u}	A1u	–	–	$\mathbb{Q}_9^{(h,A_{1u})}$	Qh(9, A1u, ,)	S_6
83	A_{2u}	A2u	1	–	$\mathbb{Q}_9^{(h,A_{2u},1)}$	Qh(9, A2u, 1,)	C_0
84	A_{2u}	A2u	2	–	$\mathbb{Q}_9^{(h,A_{2u},2)}$	Qh(9, A2u, 2,)	C_6
85	B_{1u}	B1u	1	–	$\mathbb{Q}_9^{(h,B_{1u},1)}$	Qh(9, B1u, 1,)	S_9
86	B_{1u}	B1u	2	–	$\mathbb{Q}_9^{(h,B_{1u},2)}$	Qh(9, B1u, 2,)	S_3
87	B_{2u}	B2u	1	–	$\mathbb{Q}_9^{(h,B_{2u},1)}$	Qh(9, B2u, 1,)	C_9
88	B_{2u}	B2u	2	–	$\mathbb{Q}_9^{(h,B_{2u},2)}$	Qh(9, B2u, 2,)	C_3
89	E_{1u}	E1u	1	0	$\mathbb{Q}_{9,0}^{(h,E_{1u},1)}$	Qh(9, E1u, 1, 0)	C_7
90	E_{1u}	E1u	1	1	$\mathbb{Q}_{9,1}^{(h,E_{1u},1)}$	Qh(9, E1u, 1, 1)	S_7
91	E_{1u}	E1u	2	0	$\mathbb{Q}_{9,0}^{(h,E_{1u},2)}$	Qh(9, E1u, 2, 0)	C_5
92	E_{1u}	E1u	2	1	$\mathbb{Q}_{9,1}^{(h,E_{1u},2)}$	Qh(9, E1u, 2, 1)	$-S_5$
93	E_{1u}	E1u	3	0	$\mathbb{Q}_{9,0}^{(h,E_{1u},3)}$	Qh(9, E1u, 3, 0)	C_1
94	E_{1u}	E1u	3	1	$\mathbb{Q}_{9,1}^{(h,E_{1u},3)}$	Qh(9, E1u, 3, 1)	S_1
95	E_{2u}	E2u	1	0	$\mathbb{Q}_{9,0}^{(h,E_{2u},1)}$	Qh(9, E2u, 1, 0)	C_8
96	E_{2u}	E2u	1	1	$\mathbb{Q}_{9,1}^{(h,E_{2u},1)}$	Qh(9, E2u, 1, 1)	$-S_8$
97	E_{2u}	E2u	2	0	$\mathbb{Q}_{9,0}^{(h,E_{2u},2)}$	Qh(9, E2u, 2, 0)	C_4
98	E_{2u}	E2u	2	1	$\mathbb{Q}_{9,1}^{(h,E_{2u},2)}$	Qh(9, E2u, 2, 1)	S_4
99	E_{2u}	E2u	3	0	$\mathbb{Q}_{9,0}^{(h,E_{2u},3)}$	Qh(9, E2u, 3, 0)	C_2
100	E_{2u}	E2u	3	1	$\mathbb{Q}_{9,1}^{(h,E_{2u},3)}$	Qh(9, E2u, 3, 1)	$-S_2$

表 11 rank 10

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
101	A_{1g}	A1g	1	–	$\mathbb{Q}_{10}^{(h,A_{1g},1)}$	Qh(10, A1g, 1,)	C_0
102	A_{1g}	A1g	2	–	$\mathbb{Q}_{10}^{(h,A_{1g},2)}$	Qh(10, A1g, 2,)	C_6
103	A_{2g}	A2g	–	–	$\mathbb{Q}_{10}^{(h,A_{2g})}$	Qh(10, A2g, ,)	S_6
104	B_{1g}	B1g	1	–	$\mathbb{Q}_{10}^{(h,B_{1g},1)}$	Qh(10, B1g, 1,)	C_9
105	B_{1g}	B1g	2	–	$\mathbb{Q}_{10}^{(h,B_{1g},2)}$	Qh(10, B1g, 2,)	C_3
106	B_{2g}	B2g	1	–	$\mathbb{Q}_{10}^{(h,B_{2g},1)}$	Qh(10, B2g, 1,)	S_9
107	B_{2g}	B2g	2	–	$\mathbb{Q}_{10}^{(h,B_{2g},2)}$	Qh(10, B2g, 2,)	S_3
108	E_{1g}	E1g	1	0	$\mathbb{Q}_{10,0}^{(h,E_{1g},1)}$	Qh(10, E1g, 1, 0)	C_7
109	E_{1g}	E1g	1	1	$\mathbb{Q}_{10,1}^{(h,E_{1g},1)}$	Qh(10, E1g, 1, 1)	S_7
110	E_{1g}	E1g	2	0	$\mathbb{Q}_{10,0}^{(h,E_{1g},2)}$	Qh(10, E1g, 2, 0)	C_5
111	E_{1g}	E1g	2	1	$\mathbb{Q}_{10,1}^{(h,E_{1g},2)}$	Qh(10, E1g, 2, 1)	$-S_5$
112	E_{1g}	E1g	3	0	$\mathbb{Q}_{10,0}^{(h,E_{1g},3)}$	Qh(10, E1g, 3, 0)	C_1
113	E_{1g}	E1g	3	1	$\mathbb{Q}_{10,1}^{(h,E_{1g},3)}$	Qh(10, E1g, 3, 1)	S_1
114	E_{2g}	E2g	1	0	$\mathbb{Q}_{10,0}^{(h,E_{2g},1)}$	Qh(10, E2g, 1, 0)	C_{10}
115	E_{2g}	E2g	1	1	$\mathbb{Q}_{10,1}^{(h,E_{2g},1)}$	Qh(10, E2g, 1, 1)	S_{10}
116	E_{2g}	E2g	2	0	$\mathbb{Q}_{10,0}^{(h,E_{2g},2)}$	Qh(10, E2g, 2, 0)	C_8
117	E_{2g}	E2g	2	1	$\mathbb{Q}_{10,1}^{(h,E_{2g},2)}$	Qh(10, E2g, 2, 1)	$-S_8$
118	E_{2g}	E2g	3	0	$\mathbb{Q}_{10,0}^{(h,E_{2g},3)}$	Qh(10, E2g, 3, 0)	C_4
119	E_{2g}	E2g	3	1	$\mathbb{Q}_{10,1}^{(h,E_{2g},3)}$	Qh(10, E2g, 3, 1)	S_4
120	E_{2g}	E2g	4	0	$\mathbb{Q}_{10,0}^{(h,E_{2g},4)}$	Qh(10, E2g, 4, 0)	C_2
121	E_{2g}	E2g	4	1	$\mathbb{Q}_{10,1}^{(h,E_{2g},4)}$	Qh(10, E2g, 4, 1)	$-S_2$

表 12 rank 11

No.	irrep.	(tag)	mul.	comp.	harmonics	(tag)	definition
122	A_{1u}	A1u	–	–	$\mathbb{Q}_{11}^{(h,A_{1u})}$	Qh(11, A1u, ,)	S_6
123	A_{2u}	A2u	1	–	$\mathbb{Q}_{11}^{(h,A_{2u},1)}$	Qh(11, A2u, 1,)	C_0
124	A_{2u}	A2u	2	–	$\mathbb{Q}_{11}^{(h,A_{2u},2)}$	Qh(11, A2u, 2,)	C_6
125	B_{1u}	B1u	1	–	$\mathbb{Q}_{11}^{(h,B_{1u},1)}$	Qh(11, B1u, 1,)	S_9
126	B_{1u}	B1u	2	–	$\mathbb{Q}_{11}^{(h,B_{1u},2)}$	Qh(11, B1u, 2,)	S_3
127	B_{2u}	B2u	1	–	$\mathbb{Q}_{11}^{(h,B_{2u},1)}$	Qh(11, B2u, 1,)	C_9
128	B_{2u}	B2u	2	–	$\mathbb{Q}_{11}^{(h,B_{2u},2)}$	Qh(11, B2u, 2,)	C_3
129	E_{1u}	E1u	1	0	$\mathbb{Q}_{11,0}^{(h,E_{1u},1)}$	Qh(11, E1u, 1, 0)	C_{11}
130	E_{1u}	E1u	1	1	$\mathbb{Q}_{11,1}^{(h,E_{1u},1)}$	Qh(11, E1u, 1, 1)	$-S_{11}$
131	E_{1u}	E1u	2	0	$\mathbb{Q}_{11,0}^{(h,E_{1u},2)}$	Qh(11, E1u, 2, 0)	C_7
132	E_{1u}	E1u	2	1	$\mathbb{Q}_{11,1}^{(h,E_{1u},2)}$	Qh(11, E1u, 2, 1)	S_7
133	E_{1u}	E1u	3	0	$\mathbb{Q}_{11,0}^{(h,E_{1u},3)}$	Qh(11, E1u, 3, 0)	C_5
134	E_{1u}	E1u	3	1	$\mathbb{Q}_{11,1}^{(h,E_{1u},3)}$	Qh(11, E1u, 3, 1)	$-S_5$
135	E_{1u}	E1u	4	0	$\mathbb{Q}_{11,0}^{(h,E_{1u},4)}$	Qh(11, E1u, 4, 0)	C_1
136	E_{1u}	E1u	4	1	$\mathbb{Q}_{11,1}^{(h,E_{1u},4)}$	Qh(11, E1u, 4, 1)	S_1
137	E_{2u}	E2u	1	0	$\mathbb{Q}_{11,0}^{(h,E_{2u},1)}$	Qh(11, E2u, 1, 0)	C_{10}
138	E_{2u}	E2u	1	1	$\mathbb{Q}_{11,1}^{(h,E_{2u},1)}$	Qh(11, E2u, 1, 1)	S_{10}
139	E_{2u}	E2u	2	0	$\mathbb{Q}_{11,0}^{(h,E_{2u},2)}$	Qh(11, E2u, 2, 0)	C_8
140	E_{2u}	E2u	2	1	$\mathbb{Q}_{11,1}^{(h,E_{2u},2)}$	Qh(11, E2u, 2, 1)	$-S_8$
141	E_{2u}	E2u	3	0	$\mathbb{Q}_{11,0}^{(h,E_{2u},3)}$	Qh(11, E2u, 3, 0)	C_4
142	E_{2u}	E2u	3	1	$\mathbb{Q}_{11,1}^{(h,E_{2u},3)}$	Qh(11, E2u, 3, 1)	S_4
143	E_{2u}	E2u	4	0	$\mathbb{Q}_{11,0}^{(h,E_{2u},4)}$	Qh(11, E2u, 4, 0)	C_2
144	E_{2u}	E2u	4	1	$\mathbb{Q}_{11,1}^{(h,E_{2u},4)}$	Qh(11, E2u, 4, 1)	$-S_2$