Table 4

Proton and neutron separation of Ξ^- -hypernuclei on and just beyond the driplines using net charge in Coulomb term but Proton number in asymmetry term of BWMH

p-drip			One beyond *p*-drip			*n*-drip			One beyond *n*-drip		
	S_p	S_n		S_p	S_n		S_p	S_n		S_p	S_n
Z_c, N	MeV	MeV	Z_c, N	MeV	MeV	Z_c, N	MeV	MeV	Z_c, N	MeV	MeV
Not found	–	–	–	–	–	2, 8	.359E+02	.466E-01	2, 9	.378E+02	-.324E+01
Not found	–	–	–	–	–	3, 10	.312E+02	.777E-01	3, 11	.330E+02	-.328E+01
4, 1	.216E+01	.341E+02	4, 0	-.455E+00	.532E+02	4, 12	.324E+02	.126E+00	4, 13	.341E+02	-.328E+01
5, 2	.724E+00	.288E+02	5, 1	-.241E+01	.363E+02	5, 14	.291E+02	.108E+00	5, 15	.306E+02	-.332E+01
6, 2	.197E+00	.316E+02	6, 1	-.264E+01	.383E+02	6, 16	.312E+02	.105E+00	6, 17	.326E+02	-.332E+01
7, 4	.133E+01	.234E+02	7, 3	-.134E+01	.258E+02	7, 18	.282E+02	.807E-01	7, 19	.295E+02	-.334E+01
8, 4	.143E+01	.259E+02	8, 3	-.108E+01	.282E+02	8, 20	.306E+02	.786E-01	8, 21	.319E+02	-.332E+01
9, 6	.163E+01	.212E+02	9, 5	-.593E+00	.220E+02	9, 22	.277E+02	.777E-01	9, 23	.288E+02	-.329E+01
10, 5	.252E-01	.241E+02	10, 4	-.209E+01	.303E+02	10, 24	.303E+02	.951E-01	10, 25	.314E+02	-.324E+01
11, 8	.172E+01	.201E+02	11, 7	-.189E+00	.200E+02	11, 26	.273E+02	.122E+00	11, 27	.283E+02	-.318E+01
12, 7	.714E+00	.219E+02	12, 6	-.114E+01	.273E+02	12, 28	.299E+02	.159E+00	12, 29	.309E+02	-.310E+01
13, 9	.806E-02	.188E+02	13, 8	-.169E+01	.237E+02	13, 30	.270E+02	.207E+00	13, 31	.279E+02	-.301E+01
14, 9	.113E+01	.205E+02	14, 8	-.519E+00	.254E+02	14, 32	.296E+02	.259E+00	14, 33	.304E+02	-.292E+01
15, 11	.778E-01	.180E+02	15, 10	-.144E+01	.227E+02	15, 34	.266E+02	.321E+00	15, 35	.274E+02	-.281E+01
16, 11	.137E+01	.195E+02	16, 10	-.113E+00	.242E+02	16, 36	.292E+02	.380E+00	16, 37	.300E+02	-.271E+01
17, 13	.654E-01	.175E+02	17, 12	-.132E+01	.219E+02	17, 38	.262E+02	.449E+00	17, 39	.270E+02	-.260E+01
18, 12	.141E+00	.233E+02	18, 11	-.124E+01	.224E+02	18, 40	.287E+02	.511E+00	18, 41	.295E+02	-.250E+01
19, 16	.124E+01	.185E+02	19, 15	-.272E-02	.171E+02	19, 42	.258E+02	.582E+00	19, 43	.265E+02	-.239E+01
20, 14	.287E+00	.226E+02	20, 13	-.975E+00	.214E+02	20, 46	.296E+02	.666E-01	20, 47	.302E+02	-.282E+01
21, 18	.104E+01	.183E+02	21, 17	-.111E+00	.167E+02	21, 48	.267E+02	.161E+00	21, 49	.273E+02	-.268E+01
22, 16	.352E+00	.220E+02	22, 15	-.809E+00	.207E+02	22, 50	.290E+02	.242E+00	22, 51	.296E+02	-.256E+01
23, 20	.815E+00	.181E+02	23, 19	-.249E+00	.165E+02	23, 52	.262E+02	.328E+00	23, 53	.268E+02	-.244E+01
24, 18	.354E+00	.216E+02	24, 17	-.719E+00	.201E+02	24, 54	.284E+02	.402E+00	24, 55	.290E+02	-.233E+01
25, 22	.580E+00	.180E+02	25, 21	-.410E+00	.163E+02	25, 58	.267E+02	.425E-01	25, 59	.272E+02	-.262E+01
26, 20	.308E+00	.212E+02	26, 19	-.689E+00	.196E+02	26, 60	.289E+02	.122E+00	26, 61	.294E+02	-.251E+01
27, 24	.336E+00	.179E+02	27, 23	-.590E+00	.161E+02	27, 62	.262E+02	.207E+00	27, 63	.266E+02	-.239E+01
28, 22	.222E+00	.208E+02	28, 21	-.708E+00	.192E+02	28, 64	.283E+02	.279E+00	28, 65	.287E+02	-.228E+01
29, 26	.836E-01	.178E+02	29, 25	-.785E+00	.160E+02	29, 66	.256E+02	.356E+00	29, 67	.261E+02	-.217E+01
30, 24	.103E+00	.205E+02	30, 23	-.767E+00	.188E+02	30, 70	.285E+02	.647E-01	30, 71	.290E+02	-.241E+01
31, 29	.640E+00	.142E+02	31, 28	-.175E+00	.177E+02	31, 72	.259E+02	.143E+00	31, 73	.264E+02	-.230E+01

Table 4 (continued)

32, 27	.774E+00	.167E+02	32, 26	-.414E-01	.203E+02	32, 74	.279E+02	.210E+00	32, 75	.283E+02	-.220E+01
33, 31	.332E+00	.142E+02	33, 30	-.438E+00	.176E+02	33, 76	.254E+02	.281E+00	33, 77	.258E+02	-.210E+01
34, 29	.562E+00	.165E+02	34, 28	-.208E+00	.200E+02	34, 80	.281E+02	.346E-01	34, 81	.284E+02	-.230E+01
35, 33	.249E-01	.142E+02	35, 32	-.705E+00	.175E+02	35, 82	.256E+02	.106E+00	35, 83	.260E+02	-.220E+01
36, 31	.336E+00	.164E+02	36, 30	-.393E+00	.198E+02	36, 84	.275E+02	.168E+00	36, 85	.278E+02	-.211E+01
37, 36	.394E+00	.161E+02	37, 35	-.282E+00	.142E+02	37, 86	.251E+02	.234E+00	37, 87	.254E+02	-.202E+01
38, 33	.986E-01	.163E+02	38, 32	-.594E+00	.196E+02	38, 90	.276E+02	.195E-01	38, 91	.279E+02	-.219E+01
39, 38	.555E-01	.161E+02	39, 37	-.589E+00	.142E+02	39, 92	.252E+02	.854E-01	39, 93	.255E+02	-.210E+01
40, 36	.494E+00	.181E+02	40, 35	-.148E+00	.162E+02	40, 94	.270E+02	.142E+00	40, 95	.273E+02	-.202E+01
41, 41	.337E+00	.131E+02	41, 40	-.280E+00	.161E+02	41, 96	.247E+02	.203E+00	41, 97	.250E+02	-.194E+01
42, 38	.209E+00	.180E+02	42, 37	-.403E+00	.161E+02	42,100	.270E+02	.137E-01	42,101	.273E+02	-.209E+01
43, 44	.553E+00	.151E+02	43, 43	-.214E-01	.132E+02	43,102	.248E+02	.748E-01	43,103	.251E+02	-.201E+01
44, 41	.508E+00	.149E+02	44, 40	-.801E-01	.179E+02	44,104	.265E+02	.128E+00	44,105	.268E+02	-.194E+01
45, 46	.176E+00	.151E+02	45, 45	-.375E+00	.133E+02	45,106	.243E+02	.185E+00	45,107	.246E+02	-.186E+01
46, 43	.191E+00	.149E+02	46, 42	-.372E+00	.179E+02	46,110	.265E+02	.149E-01	46,111	.268E+02	-.199E+01
47, 49	.339E+00	.124E+02	47, 48	-.194E+00	.152E+02	47,112	.243E+02	.718E-01	47,113	.246E+02	-.192E+01
48, 46	.400E+00	.167E+02	48, 45	-.126E+00	.149E+02	48,114	.260E+02	.121E+00	48,115	.262E+02	-.185E+01
49, 52	.453E+00	.143E+02	49, 51	-.455E-01	.125E+02	49,116	.238E+02	.175E+00	49,117	.241E+02	-.178E+01
50, 48	.629E-01	.167E+02	50, 47	-.443E+00	.149E+02	50,120	.259E+02	.214E-01	50,121	.262E+02	-.190E+01
51, 54	.583E-01	.144E+02	51, 53	-.423E+00	.126E+02	51,122	.239E+02	.746E-01	51,123	.241E+02	-.183E+01
52, 51	.218E+00	.140E+02	52, 50	-.272E+00	.167E+02	52,124	.254E+02	.122E+00	52,125	.257E+02	-.177E+01
53, 57	.139E+00	.119E+02	53, 56	-.329E+00	.145E+02	53,126	.234E+02	.172E+00	53,127	.236E+02	-.170E+01
54, 54	.328E+00	.158E+02	54, 53	-.132E+00	.140E+02	54,130	.254E+02	.320E-01	54,131	.256E+02	-.182E+01
55, 60	.184E+00	.138E+02	55, 59	-.257E+00	.120E+02	55,132	.234E+02	.822E-01	55,133	.236E+02	-.175E+01
56, 57	.414E+00	.132E+02	56, 56	-.348E-01	.159E+02	56,134	.249E+02	.127E+00	56,135	.251E+02	-.169E+01
57, 63	.212E+00	.114E+02	57, 62	-.218E+00	.139E+02	57,138	.234E+02	.159E-02	57,139	.236E+02	-.179E+01
58, 59	.410E-01	.133E+02	58, 58	-.394E+00	.159E+02	58,140	.249E+02	.460E-01	58,141	.251E+02	-.173E+01
59, 66	.211E+00	.133E+02	59, 65	-.195E+00	.115E+02	59,142	.229E+02	.935E-01	59,143	.231E+02	-.167E+01
60, 62	.826E-01	.152E+02	60, 61	-.327E+00	.134E+02	60,144	.244E+02	.136E+00	60,145	.246E+02	-.162E+01
61, 69	.199E+00	.110E+02	61, 68	-.200E+00	.134E+02	61,148	.229E+02	.201E-01	61,149	.231E+02	-.171E+01
62, 65	.108E+00	.128E+02	62, 64	-.293E+00	.152E+02	62,150	.243E+02	.624E-01	62,151	.245E+02	-.166E+01
63, 72	.162E+00	.129E+02	63, 71	-.215E+00	.112E+02	63,152	.224E+02	.108E+00	63,153	.226E+02	-.160E+01
64, 68	.106E+00	.146E+02	64, 67	-.274E+00	.129E+02	64,154	.238E+02	.148E+00	64,155	.240E+02	-.155E+01
65, 75	.116E+00	.107E+02	65, 74	-.254E+00	.130E+02	65,158	.224E+02	.405E-01	65,159	.226E+02	-.163E+01
66, 71	.923E-01	.123E+02	66, 70	-.281E+00	.147E+02	66,160	.238E+02	.809E-01	66,161	.240E+02	-.158E+01

Table 4 (continued)

67, 78	.509E-01	.126E+02	67, 77	-.301E+00	.109E+02	67,162	.220E+02	.124E+00	67,163	.222E+02	-.153E+01
68, 74	.553E-01	.141E+02	68, 73	-.299E+00	.124E+02	68,166	.237E+02	.198E-01	68,167	.239E+02	-.161E+01
69, 82	.317E+00	.121E+02	69, 81	-.205E-01	.105E+02	69,168	.219E+02	.623E-01	69,169	.221E+02	-.156E+01
70, 77	.100E-01	.119E+02	70, 76	-.339E+00	.142E+02	70,170	.232E+02	.101E+00	70,171	.234E+02	-.151E+01
71, 85	.224E+00	.101E+02	71, 84	-.109E+00	.123E+02	71,174	.218E+02	.598E-02	71,175	.220E+02	-.159E+01
72, 81	.281E+00	.115E+02	72, 80	-.548E-01	.137E+02	72,176	.232E+02	.443E-01	72,177	.233E+02	-.154E+01
73, 88	.116E+00	.119E+02	73, 87	-.202E+00	.102E+02	73,178	.214E+02	.852E-01	73,179	.216E+02	-.149E+01
74, 84	.194E+00	.132E+02	74, 83	-.125E+00	.116E+02	74,180	.227E+02	.122E+00	74,181	.229E+02	-.144E+01
75, 91	.464E-02	.992E+01	75, 90	-.309E+00	.120E+02	75,184	.214E+02	.330E-01	75,185	.215E+02	-.152E+01
76, 87	.103E+00	.112E+02	76, 86	-.213E+00	.133E+02	76,186	.226E+02	.698E-01	76,187	.228E+02	-.147E+01
77, 95	.183E+00	.962E+01	77, 94	-.119E+00	.117E+02	77,188	.209E+02	.109E+00	77,189	.211E+02	-.142E+01
78, 91	.301E+00	.108E+02	78, 90	-.305E-02	.129E+02	78,192	.225E+02	.215E-01	78,193	.227E+02	-.150E+01
79, 98	.442E-01	.114E+02	79, 97	-.245E+00	.977E+01	79,194	.209E+02	.602E-01	79,195	.210E+02	-.145E+01
80, 94	.179E+00	.125E+02	80, 93	-.112E+00	.110E+02	80,196	.221E+02	.956E-01	80,197	.223E+02	-.140E+01
81,102	.184E+00	.111E+02	81,101	-.956E-01	.950E+01	81,200	.208E+02	.154E-01	81,201	.209E+02	-.147E+01
82, 97	.546E-01	.106E+02	82, 96	-.233E+00	.127E+02	82,202	.220E+02	.507E-01	82,203	.221E+02	-.143E+01
83,105	.319E-01	.925E+01	83,104	-.245E+00	.112E+02	83,204	.204E+02	.876E-01	83,205	.205E+02	-.138E+01