Table 2

Proton and neutron separation of Λ^0-hypernuclei on and just beyond the driplines using 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, 6	.297E+02	.187E+01	2, 7	.323E+02	-.159E+01
3, 1	.122E+01	.289E+02	3, 0	-.289E+01	.509E+02	3, 8	.261E+02	.187E+01	3, 9	.282E+02	-.162E+01
4, 2	.379E+01	.243E+02	4, 1	-.430E+00	.323E+02	4, 10	.277E+02	.184E+01	4, 11	.297E+02	-.167E+01
5, 3	.239E+01	.195E+02	5, 2	-.102E+01	.278E+02	5, 12	.249E+02	.173E+01	5, 13	.267E+02	-.179E+01
6, 3	.180E+01	.226E+02	6, 2	-.130E+01	.308E+02	6, 14	.274E+02	.163E+01	6, 15	.290E+02	-.189E+01
7, 4	.241E+00	.229E+02	7, 3	-.252E+01	.253E+02	7, 16	.247E+02	.150E+01	7, 17	.261E+02	-.200E+01
8, 4	.438E+00	.255E+02	8, 3	-.215E+01	.278E+02	8, 18	.274E+02	.140E+01	8, 19	.288E+02	-.208E+01
9, 6	.812E+00	.210E+02	9, 5	-.145E+01	.217E+02	9, 22	.271E+02	.124E-01	9, 23	.283E+02	-.335E+01
10, 6	.139E+01	.232E+02	10, 5	-.778E+00	.239E+02	10, 24	.298E+02	.442E-01	10, 25	.309E+02	-.329E+01
11, 8	.105E+01	.200E+02	11, 7	-.885E+00	.199E+02	11, 26	.268E+02	.820E-01	11, 27	.279E+02	-.321E+01
12, 7	.513E-01	.217E+02	12, 6	-.183E+01	.271E+02	12, 28	.295E+02	.128E+00	12, 29	.305E+02	-.313E+01
13, 10	.110E+01	.194E+02	13, 9	-.590E+00	.187E+02	13, 30	.265E+02	.184E+00	13, 31	.275E+02	-.303E+01
14, 9	.556E+00	.204E+02	14, 8	-.111E+01	.254E+02	14, 32	.291E+02	.242E+00	14, 33	.300E+02	-.293E+01
15, 12	.106E+01	.190E+02	15, 11	-.456E+00	.180E+02	15, 34	.262E+02	.309E+00	15, 35	.271E+02	-.283E+01
16, 11	.855E+00	.195E+02	16, 10	-.641E+00	.242E+02	16, 36	.288E+02	.372E+00	16, 37	.296E+02	-.272E+01
17, 14	.948E+00	.187E+02	17, 13	-.421E+00	.175E+02	17, 38	.259E+02	.445E+00	17, 39	.266E+02	-.261E+01
18, 13	.102E+01	.188E+02	18, 12	-.341E+00	.233E+02	18, 40	.284E+02	.510E+00	18, 41	.291E+02	-.250E+01
19, 16	.798E+00	.185E+02	19, 15	-.454E+00	.171E+02	19, 42	.255E+02	.583E+00	19, 43	.262E+02	-.238E+01
20, 15	.108E+01	.183E+02	20, 14	-.160E+00	.226E+02	20, 46	.292E+02	.703E-01	20, 47	.299E+02	-.281E+01
21, 18	.618E+00	.183E+02	21, 17	-.534E+00	.167E+02	21, 48	.264E+02	.166E+00	21, 49	.270E+02	-.268E+01
22, 17	.108E+01	.179E+02	22, 16	-.684E-01	.220E+02	22, 50	.287E+02	.249E+00	22, 51	.293E+02	-.256E+01
23, 20	.417E+00	.181E+02	23, 19	-.650E+00	.165E+02	23, 52	.259E+02	.337E+00	23, 53	.264E+02	-.243E+01
24, 19	.102E+01	.176E+02	24, 18	-.438E-01	.216E+02	24, 54	.281E+02	.412E+00	24, 55	.287E+02	-.232E+01
25, 22	.200E+00	.180E+02	25, 21	-.793E+00	.163E+02	25, 58	.264E+02	.533E-01	25, 59	.269E+02	-.261E+01
26, 21	.918E+00	.173E+02	26, 20	-.720E-01	.212E+02	26, 60	.286E+02	.134E+00	26, 61	.291E+02	-.249E+01
27, 25	.892E+00	.142E+02	27, 24	-.286E-01	.179E+02	27, 62	.259E+02	.220E+00	27, 63	.263E+02	-.238E+01
28, 23	.783E+00	.170E+02	28, 22	-.143E+00	.208E+02	28, 64	.280E+02	.292E+00	28, 65	.284E+02	-.227E+01
29, 27	.598E+00	.142E+02	29, 26	-.267E+00	.178E+02	29, 68	.262E+02	.488E-02	29, 69	.267E+02	-.250E+01
30, 25	.621E+00	.169E+02	30, 24	-.247E+00	.205E+02	30, 70	.282E+02	.791E-01	30, 71	.287E+02	-.239E+01
31, 29	.302E+00	.142E+02	31, 28	-.514E+00	.177E+02	31, 72	.257E+02	.158E+00	31, 73	.261E+02	-.228E+01

Table 2 (continued)

32, 27	.437E+00	.167E+02	32, 26	-.380E+00	.203E+02	32, 74	.276E+02	.225E+00	32, 75	.280E+02	-.219E+01
33, 31	.452E-02	.142E+02	33, 30	-.767E+00	.176E+02	33, 76	.251E+02	.297E+00	33, 77	.255E+02	-.209E+01
34, 29	.235E+00	.165E+02	34, 28	-.537E+00	.201E+02	34, 80	.278E+02	.507E-01	34, 81	.282E+02	-.228E+01
35, 34	.419E+00	.161E+02	35, 33	-.294E+00	.142E+02	35, 82	.253E+02	.123E+00	35, 83	.257E+02	-.218E+01
36, 31	.178E-01	.164E+02	36, 30	-.713E+00	.199E+02	36, 84	.272E+02	.185E+00	36, 85	.276E+02	-.210E+01
37, 36	.847E-01	.161E+02	37, 35	-.593E+00	.142E+02	37, 86	.248E+02	.251E+00	37, 87	.252E+02	-.201E+01
38, 34	.464E+00	.182E+02	38, 33	-.212E+00	.163E+02	38, 90	.273E+02	.365E-01	38, 91	.276E+02	-.218E+01
39, 39	.400E+00	.130E+02	39, 38	-.247E+00	.162E+02	39, 92	.250E+02	.103E+00	39, 93	.253E+02	-.209E+01
40, 36	.192E+00	.181E+02	40, 35	-.451E+00	.163E+02	40, 94	.267E+02	.160E+00	40, 95	.271E+02	-.201E+01
41, 41	.423E-01	.131E+02	41, 40	-.576E+00	.162E+02	41, 96	.244E+02	.221E+00	41, 97	.247E+02	-.192E+01
42, 39	.529E+00	.149E+02	42, 38	-.867E-01	.180E+02	42,100	.268E+02	.314E-01	42,101	.271E+02	-.207E+01
43, 44	.265E+00	.151E+02	43, 43	-.310E+00	.132E+02	43,102	.245E+02	.926E-01	43,103	.248E+02	-.199E+01
44, 41	.219E+00	.149E+02	44, 40	-.369E+00	.180E+02	44,104	.262E+02	.146E+00	44,105	.265E+02	-.192E+01
45, 47	.449E+00	.123E+02	45, 46	-.106E+00	.152E+02	45,106	.240E+02	.203E+00	45,107	.243E+02	-.184E+01
46, 44	.457E+00	.168E+02	46, 43	-.919E-01	.149E+02	46,110	.262E+02	.331E-01	46,111	.265E+02	-.198E+01
47, 49	.618E-01	.124E+02	47, 48	-.471E+00	.152E+02	47,112	.241E+02	.901E-01	47,113	.244E+02	-.190E+01
48, 46	.123E+00	.168E+02	48, 45	-.404E+00	.149E+02	48,114	.257E+02	.140E+00	48,115	.260E+02	-.183E+01
49, 52	.182E+00	.144E+02	49, 51	-.318E+00	.125E+02	49,116	.236E+02	.193E+00	49,117	.239E+02	-.176E+01
50, 49	.300E+00	.140E+02	50, 48	-.210E+00	.168E+02	50,120	.257E+02	.397E-01	50,121	.260E+02	-.188E+01
51, 55	.276E+00	.118E+02	51, 54	-.209E+00	.145E+02	51,122	.236E+02	.931E-01	51,123	.239E+02	-.181E+01
52, 52	.429E+00	.158E+02	52, 51	-.492E-01	.140E+02	52,124	.252E+02	.140E+00	52,125	.254E+02	-.175E+01
53, 58	.332E+00	.137E+02	53, 57	-.124E+00	.119E+02	53,128	.236E+02	.366E-02	53,129	.239E+02	-.186E+01
54, 54	.656E-01	.159E+02	54, 53	-.396E+00	.141E+02	54,130	.252E+02	.504E-01	54,131	.254E+02	-.180E+01
55, 61	.370E+00	.113E+02	55, 60	-.745E-01	.139E+02	55,132	.232E+02	.101E+00	55,133	.234E+02	-.173E+01
56, 57	.156E+00	.133E+02	56, 56	-.294E+00	.159E+02	56,134	.247E+02	.145E+00	56,135	.249E+02	-.167E+01
57, 64	.377E+00	.132E+02	57, 63	-.422E-01	.114E+02	57,138	.232E+02	.199E-01	57,139	.234E+02	-.177E+01
58, 60	.210E+00	.151E+02	58, 59	-.214E+00	.134E+02	58,140	.246E+02	.645E-01	58,141	.248E+02	-.172E+01
59, 67	.371E+00	.109E+02	59, 66	-.393E-01	.134E+02	59,142	.227E+02	.112E+00	59,143	.229E+02	-.166E+01
60, 63	.246E+00	.127E+02	60, 62	-.169E+00	.152E+02	60,144	.242E+02	.154E+00	60,145	.244E+02	-.160E+01
61, 70	.340E+00	.128E+02	61, 69	-.485E-01	.111E+02	61,148	.227E+02	.386E-01	61,149	.229E+02	-.169E+01
62, 66	.252E+00	.145E+02	62, 65	-.139E+00	.128E+02	62,150	.241E+02	.808E-01	62,151	.243E+02	-.164E+01
63, 73	.299E+00	.106E+02	63, 72	-.820E-01	.129E+02	63,152	.222E+02	.126E+00	63,153	.224E+02	-.158E+01
64, 69	.246E+00	.122E+02	64, 68	-.138E+00	.146E+02	64,156	.240E+02	.142E-01	64,157	.242E+02	-.167E+01
65, 76	.237E+00	.125E+02	65, 75	-.124E+00	.107E+02	65,158	.222E+02	.588E-01	65,159	.224E+02	-.162E+01
66, 72	.216E+00	.140E+02	66, 71	-.149E+00	.123E+02	66,160	.236E+02	.992E-01	66,161	.238E+02	-.156E+01

Table 2 (continued)

67, 79	.169E+00	.103E+02	67, 78	-.187E+00	.126E+02	67,162	.218E+02	.142E+00	67,163	.219E+02	-.151E+01
68, 75	.176E+00	.118E+02	68, 74	-.183E+00	.141E+02	68,166	.235E+02	.380E-01	68,167	.237E+02	-.160E+01
69, 82	.829E-01	.122E+02	69, 81	-.255E+00	.105E+02	69,168	.217E+02	.806E-01	69,169	.219E+02	-.154E+01
70, 78	.115E+00	.136E+02	70, 77	-.225E+00	.120E+02	70,170	.230E+02	.119E+00	70,171	.232E+02	-.149E+01
71, 86	.318E+00	.118E+02	71, 85	-.757E-02	.101E+02	71,174	.216E+02	.243E-01	71,175	.218E+02	-.157E+01
72, 81	.486E-01	.115E+02	72, 80	-.287E+00	.137E+02	72,176	.229E+02	.626E-01	72,177	.231E+02	-.152E+01
73, 89	.208E+00	.979E+01	73, 88	-.113E+00	.119E+02	73,178	.212E+02	.103E+00	73,179	.214E+02	-.147E+01
74, 85	.287E+00	.111E+02	74, 84	-.355E-01	.133E+02	74,182	.229E+02	.107E-01	74,183	.230E+02	-.155E+01
75, 92	.844E-01	.116E+02	75, 91	-.222E+00	.995E+01	75,184	.211E+02	.510E-01	75,185	.213E+02	-.150E+01
76, 88	.184E+00	.128E+02	76, 87	-.124E+00	.112E+02	76,186	.224E+02	.879E-01	76,187	.226E+02	-.145E+01
77, 96	.255E+00	.112E+02	77, 95	-.408E-01	.965E+01	77,190	.211E+02	.293E-02	77,191	.212E+02	-.152E+01
78, 91	.769E-01	.109E+02	78, 90	-.228E+00	.130E+02	78,192	.223E+02	.394E-01	78,193	.225E+02	-.148E+01
79, 99	.115E+00	.937E+01	79, 98	-.177E+00	.114E+02	79,194	.207E+02	.781E-01	79,195	.208E+02	-.143E+01
80, 95	.251E+00	.105E+02	80, 94	-.431E-01	.126E+02	80,196	.219E+02	.114E+00	80,197	.221E+02	-.139E+01
81,103	.248E+00	.912E+01	81,102	-.350E-01	.111E+02	81,200	.206E+02	.333E-01	81,201	.207E+02	-.145E+01
82, 98	.116E+00	.122E+02	82, 97	-.165E+00	.107E+02	82,202	.218E+02	.684E-01	82,203	.220E+02	-.141E+01
83,106	.857E-01	.108E+02	83,105	-.185E+00	.928E+01	83,204	.202E+02	.105E+00	83,205	.203E+02	-.136E+01