

Table 3

Proton and neutron separation of Λ^0 -hypernuclei on and just beyond the driplines using BWMH

Z_c, N	p -drip				n -drip				One beyond			
	S_p MeV	S_n MeV	Z_c, N	S_n MeV	S_p MeV	S_n MeV	Z_c, N	S_p MeV	S_n MeV	Z_c, N	S_p MeV	S_n MeV
Not found	—	—	—	—	—	—	2, 8	.332E+02	.635E+00	2, 9	.352E+02	-.273E+01
4, 1	.202E+01	.299E+02	4, 0	—	—	3, 10	.293E+02	.603E+00	3, 11	.311E+02	-.281E+01	
5, 2	.600E+00	.269E+02	5, 1	-.106E+01	.440E+02	4, 12	.309E+02	.593E+00	4, 13	.325E+02	-.285E+01	
6, 2	.276E+00	.297E+02	6, 1	-.247E+01	.324E+02	5, 14	.278E+02	.531E+00	5, 15	.293E+02	-.292E+01	
7, 4	.117E+01	.227E+02	7, 3	-.253E+01	.348E+02	6, 16	.301E+02	.493E+00	6, 17	.315E+02	-.296E+01	
8, 4	.140E+01	.251E+02	8, 3	-.137E+01	.246E+02	7, 18	.271E+02	.443E+00	7, 19	.284E+02	-.299E+01	
9, 6	.143E+01	.209E+02	9, 5	-.101E+01	.269E+02	8, 20	.297E+02	.418E+00	8, 21	.309E+02	-.299E+01	
10, 5	.336E-03	.235E+02	10, 4	-.704E+00	.214E+02	9, 22	.268E+02	.400E+00	9, 23	.279E+02	-.297E+01	
11, 8	.150E+01	.200E+02	11, 7	-.205E+01	.294E+02	10, 24	.294E+02	.400E+00	10, 25	.305E+02	-.294E+01	
12, 7	.625E+00	.215E+02	12, 6	-.344E+01	.197E+02	11, 26	.265E+02	.413E+00	11, 27	.275E+02	-.288E+01	
13, 10	.146E+01	.194E+02	13, 9	-.118E+01	.268E+02	12, 28	.292E+02	.437E+00	12, 29	.301E+02	-.282E+01	
14, 9	.100E+01	.203E+02	14, 8	-.171E+00	.187E+02	13, 30	.262E+02	.473E+00	13, 31	.271E+02	-.274E+01	
15, 12	.135E+01	.190E+02	15, 11	-.603E+00	.251E+02	14, 32	.288E+02	.513E+00	14, 33	.297E+02	-.266E+01	
16, 11	.122E+01	.194E+02	16, 10	-.115E+00	.179E+02	15, 34	.259E+02	.565E+00	15, 35	.268E+02	-.256E+01	
17, 14	.120E+01	.187E+02	17, 13	-.231E+00	.240E+02	16, 36	.285E+02	.614E+00	16, 37	.293E+02	-.247E+01	
18, 12	.133E-02	.232E+02	18, 11	-.134E+00	.174E+02	17, 40	.271E+02	.476E-02	17, 41	.278E+02	-.299E+01	
19, 16	.101E+01	.185E+02	19, 15	-.135E+01	.221E+02	18, 42	.295E+02	.914E-01	18, 43	.302E+02	-.286E+01	
20, 14	.132E+00	.225E+02	20, 13	-.207E+00	.170E+02	19, 44	.266E+02	.184E+00	19, 45	.273E+02	-.273E+01	
21, 18	.810E+00	.183E+02	21, 17	-.110E+01	.213E+02	20, 46	.290E+02	.265E+00	20, 47	.296E+02	-.261E+01	
22, 16	.185E+00	.220E+02	22, 15	-.317E+00	.167E+02	21, 48	.261E+02	.351E+00	21, 49	.267E+02	-.248E+01	
23, 20	.589E+00	.181E+02	23, 19	-.953E+00	.206E+02	22, 50	.284E+02	.425E+00	22, 51	.290E+02	-.237E+01	
24, 18	.180E+00	.215E+02	24, 17	-.456E+00	.165E+02	23, 54	.267E+02	.345E-01	23, 55	.273E+02	-.269E+01	
25, 22	.357E+00	.180E+02	25, 21	-.874E+00	.200E+02	24, 56	.289E+02	.118E+00	24, 57	.295E+02	-.257E+01	
26, 20	.127E+00	.211E+02	26, 19	-.617E+00	.163E+02	25, 58	.262E+02	.206E+00	25, 59	.267E+02	-.245E+01	
27, 24	.115E+00	.179E+02	27, 23	-.852E+00	.195E+02	26, 60	.283E+02	.280E+00	26, 61	.288E+02	-.234E+01	
28, 22	.370E-01	.208E+02	28, 21	-.797E+00	.161E+02	27, 62	.256E+02	.360E+00	27, 63	.261E+02	-.223E+01	
29, 27	.716E+00	.142E+02	29, 26	-.878E+00	.191E+02	28, 66	.286E+02	.511E-01	28, 67	.291E+02	-.247E+01	
30, 25	.769E+00	.168E+02	30, 24	-.135E+00	.178E+02	29, 68	.260E+02	.133E+00	29, 69	.264E+02	-.236E+01	
31, 29	.412E+00	.142E+02	31, 28	-.845E-01	.205E+02	30, 70	.280E+02	.203E+00	30, 71	.284E+02	-.226E+01	
				-.391E+00	.177E+02	31, 72	.255E+02	.278E+00	31, 73	.259E+02	-.216E+01	

Table 3 (continued)

32, 27	.573E+00	.167E+02	32, 26	-.232E+00	.202E+02	32, 76	.282E+02	.186E-01	32, 77	.286E+02	- .236E+01
33, 31	.108E+00	.142E+02	33, 30	-.653E+00	.176E+02	33, 78	.257E+02	.936E-01	33, 79	.261E+02	- .226E+01
34, 29	.360E+00	.165E+02	34, 28	-.400E+00	.200E+02	34, 80	.276E+02	.158E+00	34, 81	.280E+02	- .217E+01
35, 34	.506E+00	.161E+02	35, 33	-.197E+00	.142E+02	35, 82	.252E+02	.226E+00	35, 83	.255E+02	- .207E+01
36, 31	.134E+00	.164E+02	36, 30	-.586E+00	.198E+02	36, 86	.277E+02	.293E-02	36, 87	.281E+02	- .225E+01
37, 36	.168E+00	.161E+02	37, 35	-.501E+00	.142E+02	37, 88	.253E+02	.715E-01	37, 89	.257E+02	- .216E+01
38, 34	.563E+00	.182E+02	38, 33	-.104E+00	.163E+02	38, 90	.271E+02	.130E+00	38, 91	.275E+02	- .207E+01
39, 39	.471E+00	.130E+02	39, 38	-.168E+00	.162E+02	39, 92	.248E+02	.194E+00	39, 93	.251E+02	- .199E+01
40, 36	.284E+00	.181E+02	40, 35	-.350E+00	.162E+02	40, 94	.266E+02	.248E+00	40, 95	.269E+02	- .191E+01
41, 41	.110E+00	.131E+02	41, 40	-.500E+00	.162E+02	41, 98	.249E+02	.605E-01	41, 99	.252E+02	- .206E+01
42, 38	.366E-03	.180E+02	42, 37	-.605E+00	.162E+02	42, 100	.266E+02	.115E+00	42, 101	.269E+02	- .198E+01
43, 44	.324E+00	.151E+02	43, 43	-.245E+00	.132E+02	43, 102	.244E+02	.174E+00	43, 103	.247E+02	- .190E+01
44, 41	.294E+00	.149E+02	44, 40	-.287E+00	.179E+02	44, 104	.261E+02	.225E+00	44, 105	.264E+02	- .183E+01
45, 47	.500E+00	.123E+02	45, 46	-.490E-01	.152E+02	45, 108	.245E+02	.573E-01	45, 109	.247E+02	- .196E+01
46, 44	.522E+00	.168E+02	46, 43	-.202E-01	.149E+02	46, 110	.261E+02	.109E+00	46, 111	.264E+02	- .190E+01
47, 49	.112E+00	.124E+02	47, 48	-.416E+00	.152E+02	47, 112	.240E+02	.164E+00	47, 113	.242E+02	- .182E+01
48, 46	.186E+00	.168E+02	48, 45	-.335E+00	.149E+02	48, 116	.261E+02	.537E-02	48, 117	.264E+02	- .195E+01
49, 52	.226E+00	.144E+02	49, 51	-.269E+00	.125E+02	49, 118	.240E+02	.602E-01	49, 119	.242E+02	- .188E+01
50, 49	.355E+00	.140E+02	50, 48	-.149E+00	.168E+02	50, 120	.256E+02	.108E+00	50, 121	.258E+02	- .181E+01
51, 55	.315E+00	.118E+02	51, 54	-.166E+00	.145E+02	51, 122	.235E+02	.160E+00	51, 123	.238E+02	- .174E+01
52, 51	.397E-02	.140E+02	52, 50	-.482E+00	.168E+02	52, 126	.255E+02	.164E-01	52, 127	.258E+02	- .186E+01
53, 58	.366E+00	.138E+02	53, 57	-.853E-01	.119E+02	53, 128	.235E+02	.677E-01	53, 129	.238E+02	- .179E+01
54, 54	.113E+00	.159E+02	54, 53	-.344E+00	.141E+02	54, 130	.250E+02	.113E+00	54, 131	.253E+02	- .173E+01
55, 61	.400E+00	.113E+02	55, 60	-.403E-01	.139E+02	55, 132	.231E+02	.162E+00	55, 133	.233E+02	- .167E+01
56, 57	.198E+00	.133E+02	56, 56	-.248E+00	.159E+02	56, 136	.250E+02	.304E-01	56, 137	.252E+02	- .177E+01
57, 64	.404E+00	.133E+02	57, 63	-.117E-01	.115E+02	57, 138	.230E+02	.791E-01	57, 139	.233E+02	- .171E+01
58, 60	.247E+00	.151E+02	58, 59	-.173E+00	.134E+02	58, 140	.245E+02	.122E+00	58, 141	.247E+02	- .165E+01
59, 67	.395E+00	.109E+02	59, 66	-.121E-01	.134E+02	59, 144	.230E+02	.415E-02	59, 145	.232E+02	- .175E+01
60, 63	.279E+00	.127E+02	60, 62	-.132E+00	.152E+02	60, 146	.245E+02	.471E-01	60, 147	.247E+02	- .169E+01
61, 70	.361E+00	.128E+02	61, 69	-.240E-01	.111E+02	61, 148	.226E+02	.934E-01	61, 149	.228E+02	- .163E+01
62, 66	.282E+00	.145E+02	62, 65	-.106E+00	.128E+02	62, 150	.240E+02	.135E+00	62, 151	.242E+02	- .158E+01
63, 73	.318E+00	.106E+02	63, 72	-.602E-01	.130E+02	63, 154	.225E+02	.249E-01	63, 155	.227E+02	- .167E+01
64, 69	.273E+00	.122E+02	64, 68	-.109E+00	.146E+02	64, 156	.239E+02	.660E-01	64, 157	.241E+02	- .162E+01
65, 76	.254E+00	.125E+02	65, 75	-.104E+00	.108E+02	65, 158	.221E+02	.110E+00	65, 159	.223E+02	- .156E+01
66, 72	.240E+00	.141E+02	66, 71	-.122E+00	.124E+02	66, 162	.238E+02	.354E-02	66, 163	.240E+02	- .165E+01

Table 3 (continued)

67, 79	.184E+00	.104E+02	67, 78	-.169E+00	.126E+02	67,164	.220E+02	.471E+01	67,165	.222E+02	-.159E+01
68, 75	.197E+00	.119E+02	68, 74	-.158E+00	.141E+02	68,166	.234E+02	.864E-01	68,167	.236E+02	-.154E+01
69, 82	.967E-01	.122E+02	69, 81	-.239E+00	.105E+02	69,168	.216E+02	.128E+00	69,169	.218E+02	-.149E+01
70, 78	.135E+00	.136E+02	70, 77	-.203E+00	.120E+02	70,172	.233E+02	.289E-01	70,173	.235E+02	-.157E+01
71, 85	.476E-02	.102E+02	71, 84	-.326E+00	.123E+02	71,174	.215E+02	.704E-01	71,175	.217E+02	-.152E+01
72, 81	.662E-01	.115E+02	72, 80	-.267E+00	.137E+02	72,176	.229E+02	.108E+00	72,177	.230E+02	-.147E+01
73, 89	.217E+00	.982E+01	73, 88	-.102E+00	.119E+02	73,180	.215E+02	.172E-01	73,181	.216E+02	-.155E+01
74, 85	.302E+00	.111E+02	74, 84	-.194E-01	.133E+02	74,182	.228E+02	.547E-01	74,183	.229E+02	-.150E+01
75, 92	.925E-01	.116E+02	75, 91	-.212E+00	.998E+01	75,184	.211E+02	.944E-01	75,185	.212E+02	-.145E+01
76, 88	.197E+00	.129E+02	76, 87	-.110E+00	.113E+02	76,188	.227E+02	.574E-02	76,189	.228E+02	-.153E+01
77, 96	.260E+00	.113E+02	77, 95	-.334E-01	.968E+01	77,190	.210E+02	.450E-01	77,191	.211E+02	-.148E+01
78, 91	.884E-01	.109E+02	78, 90	-.214E+00	.130E+02	78,192	.222E+02	.811E-01	78,193	.224E+02	-.143E+01
79, 99	.120E+00	.940E+01	79, 98	-.171E+00	.114E+02	79,194	.206E+02	.119E+00	79,195	.207E+02	-.139E+01
80, 95	.260E+00	.106E+02	80, 94	-.326E-01	.126E+02	80,198	.221E+02	.352E-01	80,199	.223E+02	-.146E+01
81,103	.251E+00	.915E+01	81,102	-.306E-01	.111E+02	81,200	.205E+02	.730E-01	81,201	.207E+02	-.141E+01
82, 98	.124E+00	.123E+02	82, 97	-.156E+00	.107E+02	82,202	.217E+02	.108E+00	82,203	.219E+02	-.137E+01
83,106	.881E-01	.108E+02	83,105	-.182E+00	.930E+01	83,206	.204E+02	.303E-01	83,207	.206E+02	-.143E+01