

Table 1

One neutron and one proton separation (in MeV) on and just beyond the driplines for normal [19] nuclei using BWMH

Z, N	p -drip				n -drip				One beyond			
	S_n MeV	S_p MeV	Z, N	S_n MeV	S_p MeV	Z, N	S_n MeV	S_p MeV	Z, N	S_n MeV	S_p MeV	Z, N
2, 1	.210E+01	.267E+02	2, 0	.888E+02	2, 4	.238E+02	.336E+01	.278E+02	2, 5	.278E+02	2, 5	.488E+00
3, 2	.336E+01	.196E+02	3, 1	.321E+02	3, 8	.270E+02	.585E+00	.292E+02	3, 9	.292E+02	3, 9	-.272E+01
4, 2	.111E+01	.249E+02	4, 1	.359E+02	4, 10	.283E+02	.905E+00	.304E+02	4, 11	.304E+02	4, 11	-.250E+01
5, 3	.741E+00	.197E+02	5, 2	.289E+02	5, 12	.255E+02	.985E+00	.273E+02	5, 13	.273E+02	5, 13	-.247E+01
6, 3	.174E+00	.232E+02	6, 2	.323E+02	6, 14	.278E+02	.101E+01	.295E+02	6, 15	.295E+02	6, 15	-.246E+01
7, 5	.198E+01	.169E+02	7, 4	.231E+02	7, 16	.251E+02	.974E+00	.266E+02	7, 17	.266E+02	7, 17	-.250E+01
8, 5	.198E+01	.196E+02	8, 4	.259E+02	8, 18	.277E+02	.940E+00	.291E+02	8, 19	.291E+02	8, 19	-.252E+01
9, 6	.941E-01	.210E+02	9, 5	.220E+02	9, 20	.250E+02	.894E+00	.263E+02	9, 21	.263E+02	9, 21	-.254E+01
10, 6	.636E+00	.233E+02	10, 5	.243E+02	10, 22	.277E+02	.865E+00	.290E+02	10, 23	.290E+02	10, 23	-.254E+01
11, 8	.536E+00	.200E+02	11, 7	.200E+02	11, 24	.249E+02	.843E+00	.261E+02	11, 25	.261E+02	11, 25	-.252E+01
12, 8	.137E+01	.220E+02	12, 7	.220E+02	12, 26	.277E+02	.836E+00	.288E+02	12, 27	.288E+02	12, 27	-.249E+01
13, 10	.712E+00	.194E+02	13, 9	.188E+02	13, 28	.249E+02	.841E+00	.259E+02	13, 29	.259E+02	13, 29	-.244E+01
14, 9	.673E-01	.206E+02	14, 8	.256E+02	14, 30	.276E+02	.855E+00	.285E+02	14, 31	.285E+02	14, 31	-.239E+01
15, 12	.741E+00	.190E+02	15, 11	.181E+02	15, 34	.265E+02	.437E-01	.274E+02	15, 35	.274E+02	15, 35	-.310E+01
16, 11	.464E+00	.196E+02	16, 10	.243E+02	16, 36	.291E+02	.123E+00	.299E+02	16, 37	.299E+02	16, 37	-.298E+01
17, 14	.683E+00	.187E+02	17, 13	.175E+02	17, 38	.261E+02	.209E+00	.269E+02	17, 39	.269E+02	17, 39	-.285E+01
18, 13	.693E+00	.189E+02	18, 12	.234E+02	18, 40	.286E+02	.287E+00	.294E+02	18, 41	.294E+02	18, 41	-.273E+01
19, 16	.569E+00	.185E+02	19, 15	.171E+02	19, 42	.257E+02	.372E+00	.264E+02	19, 43	.264E+02	19, 43	-.260E+01
20, 15	.807E+00	.184E+02	20, 14	.227E+02	20, 44	.282E+02	.446E+00	.289E+02	20, 45	.289E+02	20, 45	-.249E+01
21, 18	.417E+00	.183E+02	21, 17	.168E+02	21, 46	.253E+02	.527E+00	.260E+02	21, 47	.260E+02	21, 47	-.237E+01
22, 17	.839E+00	.179E+02	22, 16	.221E+02	22, 50	.289E+02	.684E-01	.295E+02	22, 51	.295E+02	22, 51	-.275E+01
23, 20	.237E+00	.181E+02	23, 19	.165E+02	23, 52	.261E+02	.165E+00	.267E+02	23, 53	.267E+02	23, 53	-.261E+01
24, 19	.808E+00	.176E+02	24, 18	.217E+02	24, 54	.284E+02	.247E+00	.289E+02	24, 55	.289E+02	24, 55	-.249E+01
25, 22	.380E-01	.180E+02	25, 21	.163E+02	25, 56	.256E+02	.335E+00	.261E+02	25, 57	.261E+02	25, 57	-.237E+01
26, 21	.730E+00	.173E+02	26, 20	.213E+02	26, 58	.278E+02	.409E+00	.283E+02	26, 59	.283E+02	26, 59	-.226E+01
27, 25	.760E+00	.142E+02	27, 24	.179E+02	27, 62	.261E+02	.771E-01	.266E+02	27, 63	.266E+02	27, 63	-.253E+01
28, 23	.614E+00	.171E+02	28, 22	.209E+02	28, 64	.282E+02	.155E+00	.286E+02	28, 65	.286E+02	28, 65	-.242E+01

Table 1 (continued)

29, 27	.476E+00	.142E+02	29, 26	-.404E+00	.178E+02	29, 66	.255E+02	.238E+00	29, 67	.260E+02	-.230E+01
30, 25	.468E+00	.169E+02	30, 24	-.416E+00	.206E+02	30, 68	.276E+02	.308E+00	30, 69	.280E+02	-.220E+01
31, 29	.189E+00	.142E+02	31, 28	-.641E+00	.177E+02	31, 72	.258E+02	.370E-01	31, 73	.263E+02	-.241E+01
32, 27	.297E+00	.167E+02	32, 26	-.534E+00	.203E+02	32, 74	.278E+02	.108E+00	32, 75	.282E+02	-.231E+01
33, 32	.663E+00	.161E+02	33, 31	-.101E+00	.142E+02	33, 76	.253E+02	.184E+00	33, 77	.257E+02	-.221E+01
34, 29	.106E+00	.166E+02	34, 28	-.678E+00	.201E+02	34, 78	.272E+02	.249E+00	34, 79	.276E+02	-.212E+01
35, 34	.330E+00	.161E+02	35, 33	-.394E+00	.142E+02	35, 82	.255E+02	.181E-01	35, 83	.259E+02	-.230E+01
36, 32	.622E+00	.183E+02	36, 31	-.101E+00	.165E+02	36, 84	.274E+02	.828E-01	36, 85	.277E+02	-.221E+01
37, 36	.610E-04	.161E+02	37, 35	-.687E+00	.142E+02	37, 86	.250E+02	.152E+00	37, 87	.253E+02	-.211E+01
38, 34	.364E+00	.182E+02	38, 33	-.322E+00	.164E+02	38, 88	.268E+02	.212E+00	38, 89	.272E+02	-.203E+01
39, 39	.328E+00	.130E+02	39, 38	-.328E+00	.162E+02	39, 92	.251E+02	.104E-01	39, 93	.254E+02	-.218E+01
40, 36	.970E-01	.181E+02	40, 35	-.555E+00	.163E+02	40, 94	.269E+02	.698E-01	40, 95	.272E+02	-.210E+01
41, 42	.582E+00	.150E+02	41, 41	-.272E-01	.131E+02	41, 96	.246E+02	.134E+00	41, 97	.249E+02	-.202E+01
42, 39	.448E+00	.149E+02	42, 38	-.176E+00	.180E+02	42, 98	.263E+02	.189E+00	42, 99	.266E+02	-.194E+01
43, 44	.205E+00	.151E+02	43, 43	-.377E+00	.132E+02	43, 102	.247E+02	.103E-01	43, 103	.250E+02	-.208E+01
44, 41	.142E+00	.149E+02	44, 40	-.453E+00	.180E+02	44, 104	.264E+02	.652E-01	44, 105	.267E+02	-.200E+01
45, 47	.397E+00	.123E+02	45, 46	-.164E+00	.152E+02	45, 106	.242E+02	.125E+00	45, 107	.245E+02	-.193E+01
46, 44	.390E+00	.168E+02	46, 43	-.165E+00	.149E+02	46, 108	.258E+02	.176E+00	46, 109	.261E+02	-.185E+01
47, 49	.109E-01	.124E+02	47, 48	-.528E+00	.152E+02	47, 112	.242E+02	.156E-01	47, 113	.245E+02	-.198E+01
48, 46	.591E-01	.168E+02	48, 45	-.473E+00	.149E+02	48, 114	.259E+02	.670E-01	48, 115	.261E+02	-.191E+01
49, 52	.137E+00	.144E+02	49, 51	-.367E+00	.125E+02	49, 116	.237E+02	.122E+00	49, 117	.240E+02	-.184E+01
50, 49	.245E+00	.139E+02	50, 48	-.271E+00	.168E+02	50, 118	.253E+02	.171E+00	50, 119	.256E+02	-.177E+01
51, 55	.237E+00	.118E+02	51, 54	-.253E+00	.145E+02	51, 122	.238E+02	.254E-01	51, 123	.240E+02	-.189E+01
52, 52	.380E+00	.158E+02	52, 51	-.103E+00	.140E+02	52, 124	.253E+02	.737E-01	52, 125	.256E+02	-.182E+01
53, 58	.298E+00	.137E+02	53, 57	-.162E+00	.119E+02	53, 126	.233E+02	.126E+00	53, 127	.235E+02	-.176E+01
54, 54	.177E-01	.159E+02	54, 53	-.448E+00	.141E+02	54, 128	.248E+02	.172E+00	54, 129	.251E+02	-.169E+01
55, 61	.340E+00	.113E+02	55, 60	-.109E+00	.138E+02	55, 132	.233E+02	.386E-01	55, 133	.235E+02	-.180E+01
56, 57	.114E+00	.133E+02	56, 56	-.340E+00	.159E+02	56, 134	.248E+02	.844E-01	56, 135	.250E+02	-.174E+01
57, 64	.350E+00	.132E+02	57, 63	-.728E-01	.114E+02	57, 136	.228E+02	.133E+00	57, 137	.230E+02	-.168E+01
58, 60	.172E+00	.151E+02	58, 59	-.255E+00	.134E+02	58, 140	.247E+02	.586E-02	58, 141	.250E+02	-.178E+01
59, 67	.347E+00	.109E+02	59, 66	-.667E-01	.133E+02	59, 142	.228E+02	.546E-01	59, 143	.230E+02	-.172E+01
60, 63	.212E+00	.127E+02	60, 62	-.206E+00	.152E+02	60, 144	.243E+02	.980E-01	60, 145	.245E+02	-.166E+01
61, 70	.318E+00	.128E+02	61, 69	-.729E-01	.110E+02	61, 146	.224E+02	.145E+00	61, 147	.226E+02	-.160E+01
62, 66	.222E+00	.145E+02	62, 65	-.172E+00	.128E+02	62, 150	.242E+02	.266E-01	62, 151	.244E+02	-.170E+01
63, 73	.280E+00	.106E+02	63, 72	-.104E+00	.129E+02	63, 152	.223E+02	.728E-01	63, 153	.225E+02	-.164E+01

Table 1 (continued)

64, 69	.219E+00	.122E+02	64, 68	-.168E+00	.146E+02	64, 154	.237E+02	.114E+00	64, 155	.239E+02	-.158E+01
65, 76	.220E+00	.124E+02	65, 75	-.144E+00	.107E+02	65, 158	.223E+02	.757E-02	65, 159	.225E+02	-.167E+01
66, 72	.191E+00	.140E+02	66, 71	-.176E+00	.123E+02	66, 160	.237E+02	.487E-01	66, 161	.238E+02	-.162E+01
67, 79	.154E+00	.103E+02	67, 78	-.204E+00	.126E+02	67, 162	.218E+02	.925E-01	67, 163	.220E+02	-.156E+01
68, 75	.154E+00	.118E+02	68, 74	-.207E+00	.141E+02	68, 164	.232E+02	.132E+00	68, 165	.234E+02	-.151E+01
69, 82	.691E-01	.121E+02	69, 81	-.271E+00	.105E+02	69, 168	.218E+02	.326E-01	69, 169	.220E+02	-.159E+01
70, 78	.957E-01	.136E+02	70, 77	-.247E+00	.119E+02	70, 170	.231E+02	.719E-01	70, 171	.233E+02	-.154E+01
71, 86	.307E+00	.118E+02	71, 85	-.200E-01	.101E+02	71, 172	.214E+02	.114E+00	71, 173	.215E+02	-.149E+01
72, 81	.308E-01	.115E+02	72, 80	-.307E+00	.137E+02	72, 176	.230E+02	.168E-01	72, 177	.232E+02	-.157E+01
73, 89	.198E+00	.977E+01	73, 88	-.124E+00	.119E+02	73, 178	.213E+02	.582E-01	73, 179	.215E+02	-.152E+01
74, 85	.273E+00	.111E+02	74, 84	-.518E-01	.133E+02	74, 180	.226E+02	.959E-01	74, 181	.228E+02	-.147E+01
75, 92	.763E-01	.115E+02	75, 91	-.232E+00	.992E+01	75, 184	.212E+02	.745E-02	75, 185	.214E+02	-.155E+01
76, 88	.171E+00	.128E+02	76, 87	-.139E+00	.112E+02	76, 186	.225E+02	.449E-01	76, 187	.227E+02	-.150E+01
77, 96	.249E+00	.112E+02	77, 95	-.481E-01	.962E+01	77, 188	.208E+02	.845E-01	77, 189	.210E+02	-.145E+01
78, 91	.653E-01	.109E+02	78, 90	-.241E+00	.129E+02	78, 190	.221E+02	.121E+00	78, 191	.222E+02	-.141E+01
79, 99	.110E+00	.935E+01	79, 98	-.184E+00	.114E+02	79, 194	.207E+02	.370E-01	79, 195	.209E+02	-.147E+01
80, 95	.242E+00	.105E+02	80, 94	-.535E-01	.126E+02	80, 196	.220E+02	.730E-01	80, 197	.221E+02	-.143E+01
81, 103	.245E+00	.909E+01	81, 102	-.394E-01	.111E+02	81, 198	.203E+02	.111E+00	81, 199	.205E+02	-.138E+01
82, 98	.108E+00	.122E+02	82, 97	-.175E+00	.107E+02	82, 202	.219E+02	.289E-01	82, 203	.220E+02	-.145E+01
83, 106	.834E-01	.108E+02	83, 105	-.189E+00	.925E+01	83, 204	.203E+02	.665E-01	83, 205	.204E+02	-.141E+01