



Fig.1 Distribution of Integer ratios  $E_x/S_n = m/n$  in  $(m,n)$  plane for light nuclei. Excitations at  $E_x/S_n = 4/3$  appear commonly in  ${}^3\text{He}$ ,  ${}^6\text{Li}$ ,  ${}^{11}\text{B}$  and  ${}^{18}\text{O}$ , and  $E_x/S_n = 5/3$  in  ${}^8\text{Be}$ ,  ${}^{11}\text{B}$ ,  ${}^{12}\text{C}$  and  ${}^{16}\text{O}$  target nuclei.

## Appendix

Table 1. Resonances with  $E_x/S_n = 4/3$  or  $5/3$

j	Target Nuclei	$E_x$ (keV)	$S_n$ (keV)	$E_x/S_n$	$1 + \Delta$
1	${}^3\text{He}$	27500	20577	4/3	1.0023
2	${}^6\text{Li}$	9670	7250	4/3	1.0003
3	${}^{11}\text{B}$	4518	3370	4/3	1.0053
4	${}^{18}\text{O}$	5300	3955	4/3	1.0049
5	${}^8\text{Be}$	2780	1665	5/3	1.0015
6	${}^{12}\text{C}$	8200	4946	5/3	0.9947
5	${}^{11}\text{B}$	5612	3370	5/3	0.9992
6	${}^{16}\text{O}$	6860	4143	5/3	0.9935