
Adopted Levels **2013Fo12**

$S(p)=-8.2\times 10^2$ **2013Fo12**

In **2013Fo12**, the $S_{1p}=-820$ keV *140* and $S_{2p}=-3870$ keV *100* values are deduced from a model.

The nucleus ^{18}Mg is 1p- and 2p-decay particle unstable, and has not been observed. A model in **2013Fo12** has accurately predicted the ^{19}Mg mass with $S_{2p}=-870$ keV *70*; this compares with the experimental value $S_{2p}=-750$ keV *5* (**2007Mu15**).

In **2013Fo12**, the $S_{1p}=-820$ keV *140* and $S_{2p}=-3870$ keV *100* values are deduced for ^{18}Mg ; the related mass excess is $\Delta M=42430$ keV *100*. The authors suggest $^{12}\text{C}(^{24}\text{Mg},^{18}\text{C})$ as a possible reaction to measure the ground state mass.

See other mass calculations in (**1997Pa38,2011Eb04,2013Ti01**). Also see (**2016Fo20**), where $S_{2p}=-3840$ keV is deduced.

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