

H25年度業績報告:ハイライト

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PHYSICAL REVIEW LETTERS

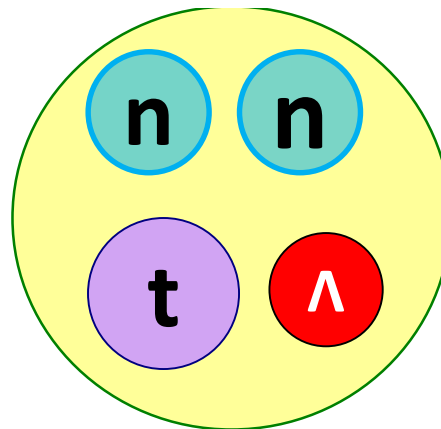
week ending
27 JANUARY 2012



Evidence for Heavy Hyperhydrogen ${}^6_{\Lambda}$ H

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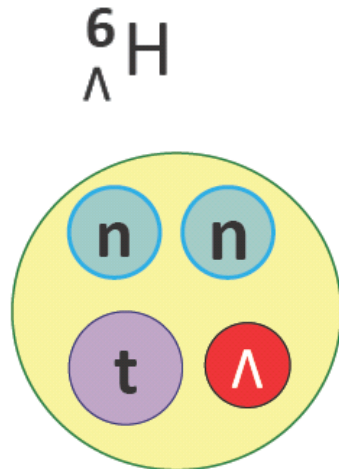
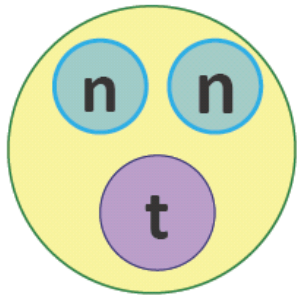
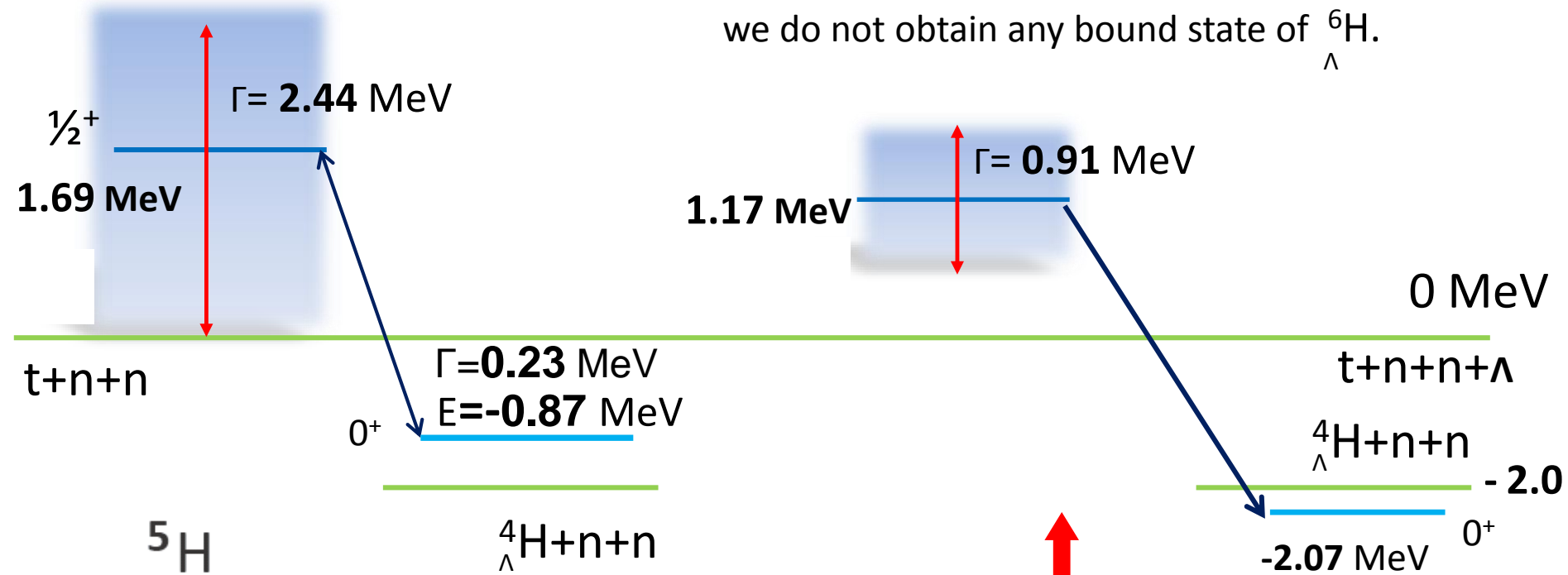


E. H, S. Ohnishi, M. Kamimura, Y. Yamamoto, NPA 908 (2013) 29.

Exp: 1.7 ± 0.3 MeV
 $\Gamma = 1.9 \pm 0.4$ MeV



Even if the potential parameters were tuned so as to reproduce the lowest value of the Exp., $E = 1.4$ MeV, $\Gamma = 1.5$ MeV, we do not obtain any bound state of ${}^6_{\Lambda}\text{H}$.



実験と理論が矛盾している。
 さらなる議論は必要。