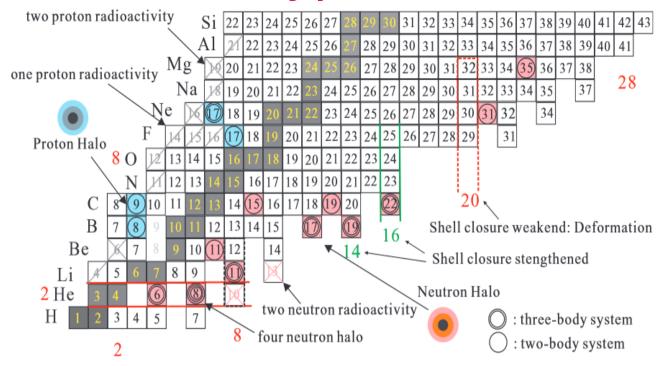
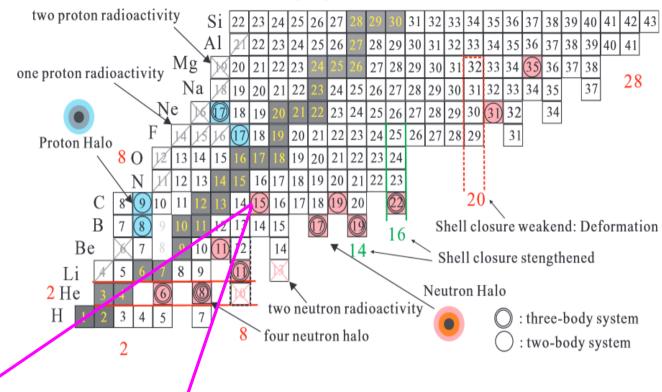
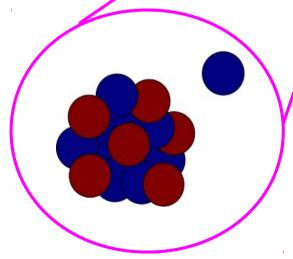
¹⁵C, an archetypical halo nucleus



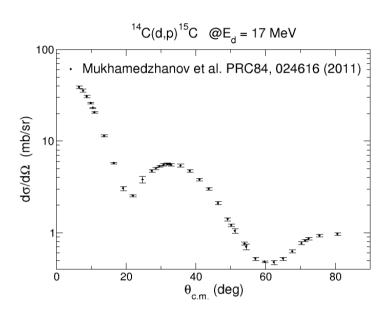
¹⁵C, an archetypical halo nucleus

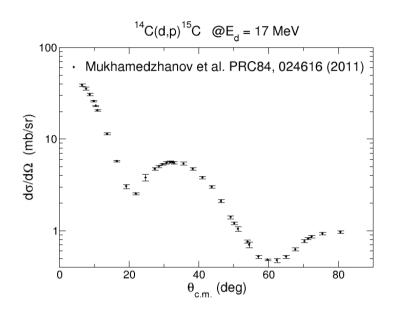


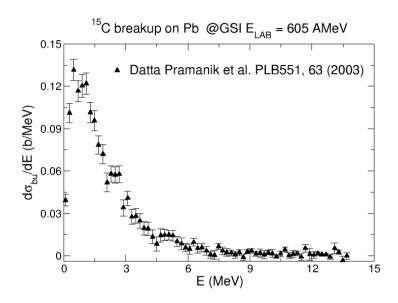


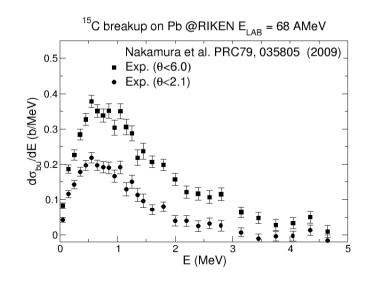
$$^{15}C = ^{14}C + n$$

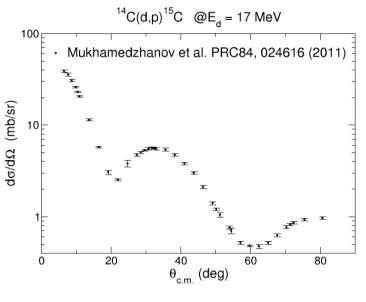
¹⁵C is a one-neutron halo nucleus modeled as a compact ¹⁴C core with one loosely bound neutron

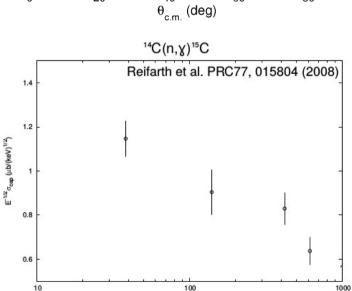




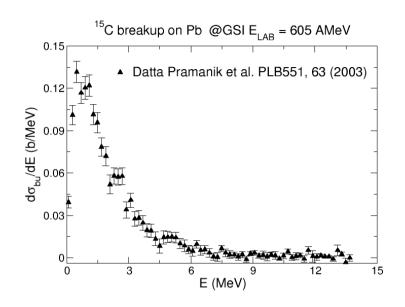


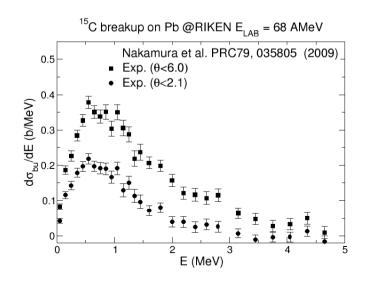


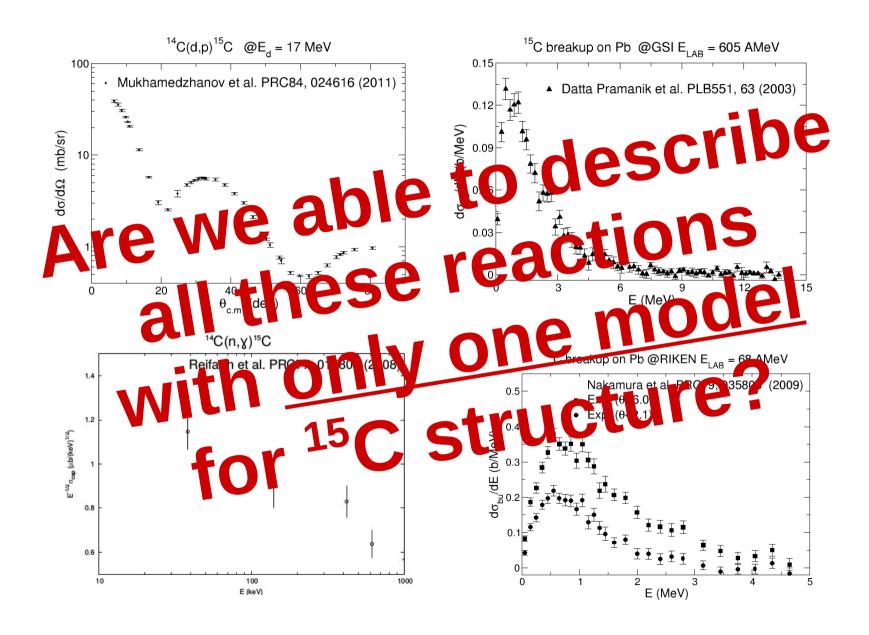




E (keV)







57th International Winter Meeting on Nuclear Physics 21-25 January 2019 Bormio, Italy









¹⁵C STRUCTURE AND DYNAMICS: COUPLING HALO EFT TO REACTION MODELS FOR TRANSFER, BREAKUP AND RADIATIVE-CAPTURE

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