

## Measurement of double charge exchange ( $^{12}\text{C}$ , $^{12}\text{Be}(0_2^+)$ ) reaction aiming for the observation of double Gamow-Teller giant resonance

We performed a missing mass spectroscopy at RIBF using double charge exchange reaction  $^{48}\text{Ca}(^{12}\text{C}, ^{12}\text{Be}(0_2^+))$ , aiming for the observation of the double Gamow-Teller giant resonance. We observed some structures in the excitation energy spectrum of  $^{48}\text{Ti}$  at the energy region where the double Gamow-Teller giant resonance is expected to exist. We compared the experimental angular distribution to the theoretical calculation. The present status of the analysis will be reported.

**Primary author:** SAKAUE, Akane (CNS)

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