

Study of deuteron emission in beta decay of ${}^6\text{He}$

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Recently, we have completed a measurement of beta-decay of ${}^6\text{He}$ focusing on a very weak decay branch with emission of a deuteron. The bunches of ${}^6\text{He}$ ions were delivered by the REX-Isolde and implanted into the Optical Time Projection Chamber, where their decays were recorded. Decay events of ${}^6\text{He}$ into an alpha particle and a deuteron were clearly observed. Preliminary results of this experiment will be presented.

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