

C( $^{17}\text{B},\text{N15B}$ ) 2004SuZX

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	J. H. Kelley, G. C. Sheu		ENSDF	16-Jan-2016

**2004SuZX:** In a RIKEN progress report, the authors reported on a measurement of the  $^{15}\beta^+n$  relative energy reconstruction. A beam of  $E_{\text{effective}}=75$  MeV/nucleon  $^{17}\text{B}$  ions was produced at the RIKEN/RIPS facility. The beam impinged on a  $377 \text{ mg/cm}^2$   $^{\text{nat}}\text{C}$  target. Charged reaction products were momentum analyzed in a dipole magnet and characterized using a set of position sensitive drift chambers and a hodoscope; neutrons were characterized using a pair of plastic scintillator walls. A narrow peak at 70 keV is present in the reconstructed  $^{15}\beta^+n$  relative energy spectrum.

 $^{16}\text{B}$  LevelsE(level)

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