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 **${}^9\text{Be}({}^{11}\text{B}, {}^{15}\text{O})$  1986Be35,1986Be44**

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<u>Type</u>	<u>Author</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	J. E. Purcell, C. G. Sheu	ENSDF	28-Feb-2019

1986Be35,1986Be44,1987Bo40,1990BeYX: The oxygen  ${}^9\text{Be}({}^{11}\text{B}, {}^{14,15,16}\text{O})$  reaction were studied at Dubna using an 88 MeV  ${}^{11}\text{B}$  beam that impinged on a  $230 \mu\text{g}/\text{cm}^2$   ${}^9\text{Be}$  target. The reaction products were momentum analyzed using a magnetic spectrograph. For the  ${}^9\text{Be}({}^{11}\text{B}, {}^{15}\text{O}){}^5\text{H}$  reaction, the  ${}^{15}\text{O}$  ions with  $E({}^{15}\text{O})\approx 57\text{-}70$  MeV were analyzed at  $\theta\approx 8^\circ$ . No evidence was found for a narrow state. However, "there is a phase space contribution from the  ${}^{14}\text{O}+{}^5\text{H}+\text{n}$  exit channel indicating a strong final state interaction with a rather large width ( $\Gamma\approx 10$  MeV)".