

$^9\text{Be}(^{136}\text{Xe},\text{X})$ 2012Qu01

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Coral M. Baglin	NDS 114, 1293 (2013)	1-Sep-2013

120 MeV/nucleon ^{136}Xe primary beam (from NSCL coupled cyclotron facility) fragmented by a 235 mg/cm² Be target; fragments separated by A1900 fragment separator using the $B\rho-\Delta E-B\rho$ technique; β^- decay measured in the NSCL Beta Counting System (four silicon PIN detectors, a double-sided silicon strip detector and a single-sided silicon strip detector); measured energy loss, total kinetic energy, time of flight, and isotopic half-life; observed 1158 implantations and 531 correlated decay sequences.

 ^{91}Br Levels

<u>E(level)</u>	<u>T_{1/2}</u>	<u>Comments</u>
0	495 ms 50	T _{1/2} : from 2012Qu01 (based on least-squares fit); 30 ms systematic uncertainty, 40 ms statistical uncertainty. other: 615 ms from maximum likelihood analysis; 35 ms systematic uncertainty, +60–50 ms statistical uncertainty.