
 $^9\text{Be}(^{208}\text{Pb},\text{X})$ [2012AI05](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Coral M. Baglin	NDS 113, 1871 (2012)	15-Jun-2012

^{192}Re from fragmentation of 208GeV ^{208}Pb beam on 2.54 g/cm² ^9Be target; reaction products separated and identified using GSI fragment separator run in monochromatic mode with wedge-shaped Al degrader at intermediate focal plane (and settings centered on transmission of fully-stripped ^{190}Ta , ^{192}Ta and ^{194}Re ions), then stopped in RISING active stopper (3 double-sided Si strip detectors with 16 strips on front and back faces), enabling temporal and position correlations to be determined between implanted ions and their subsequent β^- decay. Measured recoil- β^- correlations, deduced $T_{1/2}(^{192}\text{Re})$.

 ^{192}Re Levels

<u>E(level)</u>	<u>$T_{1/2}$</u>	<u>Comments</u>
0	16 s 2	$\% \beta^- = 100$ $T_{1/2}$: from least-squares fit to β decay time curve of a single exponential plus constant background.