

¹⁹²Re IT decay (61 s) [2012ReZZ](#)

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

Parent: ¹⁹²Re: E=267 10; T_{1/2}=61 s +40-20; %IT decay=100.0

¹⁹²Re produced via ¹⁹⁷Au projectile fragmentation (E=478-492 MeV/nucleon beam) by 1035 mg/εM² ⁹Be target; the resulting high charge-state fragments were separated by fragment recoil separator (Bρ-ΔE-Bρ method, Al plate At degrader position) and injected into storage ring and cooled; measured masses using time-resolved Schottky mass spectrometry, deduced isomer T_{1/2}.

¹⁹²Re Levels

E(level)	T _{1/2}	Comments
0		
267 10	61 s +40-20	%IT=100 E(level): from time-resolved Schottky mass spectrometry (2012ReZZ). T _{1/2} : Lorentz-corrected value from 2012ReZZ .

γ(¹⁹²Re)

E _γ	E _i (level)	E _f	Comments
267 10	267	0	E _γ : from level-energy difference; γ to g.s. reported, but E _γ unstated by authors.

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Decay Scheme

%IT=100.0

