

$^9\text{Be}(^{208}\text{Pb},\text{X}\gamma)$ 2008StZY

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Balraj Singh	ENSDF	14-May-2009

2008StZY (also 2008St20): ^{197}Os formed by fragmentation of ^{208}Pb beam at 1 GeV/nucleon from SIS accelerator at GSI facility. Nuclei of interest were separated using FRS. The transmitted ions were slowed in Al degraders and stopped in a plastic catcher. The catcher was surrounded by RISING γ -ray spectrometer. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$, delayed γ rays, lifetime of isomer. Fully-stripped or some mixture of hydrogen- and He-like nuclei.

 ^{197}Os Levels

<u>E(level)</u>	<u>T_{1/2}</u>	<u>Comments</u>
x	78 ns 7	T _{1/2} : from (particle) γ (t) (2008StZY).

 $\gamma(^{197}\text{Os})$

<u>E_{γ}</u>	<u>I_{γ}</u>	<u>E_i(level)</u>
^x 204	95 13	
^x 416	92 9	
^x 487	100 10	
^x 629	96 11	

^x γ ray not placed in level scheme.