

$^9\text{Be}(^{208}\text{Pb},\text{X}\gamma)$ 2011St21

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 143, 1 (2017)	31-Mar-2017

Target thickness=2.526 g/cm², backed by ⁹³Nb foil of thickness=0.223 g/cm².

Fragments identified in flight by the Fragment Separator (FRS) operated in achromatic mode based on time-of-flight, $B\rho$ and energy loss. Transmitted ions slowed in Al degraders and stopped in a plastic catcher. The stopper was surrounded by the RISING γ -ray spectrometer. Measured $E\gamma$, $I\gamma$, delayed γ rays, isomer lifetime.

Beam was fully-stripped or mixture of H- or He-like nuclei.

 ^{193}Os Levels

<u>E(level)</u>	<u>T_{1/2}</u>	<u>Comments</u>
x	132 ns 29	E(level): 315.9 keV in Adopted Levels. Experimental isomeric state population ratio $\geq 7\%$ 4. T _{1/2} : from decay curve of 242-keV transition (2011St21).

 $\gamma(^{193}\text{Os})$

<u>E_{γ}</u>	<u>I_{γ}</u>	<u>E_i(level)</u>	<u>Comments</u>
^x 242.0 5	100 26		E _{γ} : from Table I of 2011St21. Uncertainty of 0.5 keV assigned in consultation with Zs. Podolyak. This γ deexcites 132-ns isomer.

^x γ ray not placed in level scheme.