

$^{238}\text{U}(^{206}\text{Pb},\text{X}\gamma)$ 1998He02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev, S. Lalkovski		NDS 112, 707 (2011)	1-Aug-2010

Facility: UNILAC-GSI; Beam: ^{238}U ; Target: $800\text{ }\mu\text{g}/\text{cm}^2$ ^{206}Pb mounted on a rotating wheel; Detectors: two PAGODA detectors consisting of 72 Si PIN-diodes, each diode has three segments, 19 Parallel Plate Avalanche Counters, one 70% Ge(Li), ionization chamber, two iron-free ORANGE spectrometers; Measured: e^+e^- -coin., $\text{E}_{\text{e}^+}+\text{E}_{\text{e}^-}$; Deduced: Doppler-shift corrected $\text{E}\gamma$.

 ^{207}Pb Levels

<u>$\text{E}(\text{level})^\dagger$</u>	<u>$\text{J}^\pi^\ddagger$</u>	Comments
0.0	$1/2^-$	E(level): Rounded off from Adopted Levels.
569.7	$5/2^-$	
2339.7 10	$7/2^-$	

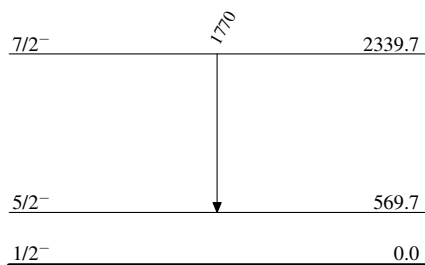
† From $\text{E}\gamma$.

‡ From Adopted Levels.

 $\gamma(^{207}\text{Pb})$

<u>$\text{E}_\gamma^\dagger$</u>	<u>$\text{E}_i(\text{level})$</u>	<u>J_i^π</u>	<u>E_f</u>	<u>J_f^π</u>
1770 1	2339.7	$7/2^-$	569.7	$5/2^-$

† From 1998He02.

 $^{238}\text{U}(^{206}\text{Pb},\text{X}\gamma)$ 1998He02Level Scheme

$^{207}_{82}\text{Pb}_{125}$