

(HI,xn $\gamma$ ) 2007De37

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 116, 1 (2014)	31-Dec-2013

$^{192}\text{Os}, ^{238}\text{U}(^{82}\text{Se}, X\gamma)$  [2007De37](#).

[2007De37](#): Multi-nucleon transfer and deep-inelastic reactions.

E=505 for  $^{238}\text{U}$  target, E=460 MeV for  $^{192}\text{Os}$  target. Measured  $\gamma, \gamma\gamma$  using the CLARA  $\gamma$ -ray spectrometer coupled with the magnetic spectrometer PRISMA at Legnaro facility. The CLARA array is based on composite EUROBALL Clover detectors. The GASP array of 40 Compton-suppressed Ge detectors and an inner ball of BGO detectors was used for detailed  $\gamma$ -ray spectroscopy. Shell model calculations.

 $^{85}\text{Se}$  Levels

E(level)	$J^\pi$ <sup>†</sup>	Comments
0	5/2 <sup>+</sup>	
1115	7/2 <sup>+</sup>	
1437	9/2 <sup>+</sup>	
1976	(13/2 <sup>+</sup> )	$J^\pi$ : (11/2 <sup>+</sup> ) in Adopted Levels, based on assignment in <a href="#">2009Po04</a> .

<sup>†</sup> As proposed by [2007De37](#) based on yrast pattern of population of levels in heavy-ion reaction.

 $\gamma(^{85}\text{Se})$ 

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
539	1976	(13/2 <sup>+</sup> )	1437	9/2 <sup>+</sup>
1115	1115	7/2 <sup>+</sup>	0	5/2 <sup>+</sup>
1437	1437	9/2 <sup>+</sup>	0	5/2 <sup>+</sup>

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Level Scheme

