

$^{209}\text{Bi}(\text{pol d,p}) E=12.0 \text{ MeV}$  1981Go05

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 121, 561 (2014)	31-Mar-2014

FWHM=22-26 keV; crossed-beam polarized-ion source.

Studied g.s. Configuration= $((\pi 1h_{9/2}) (\nu 2g_{9/2}))$  multiplet. Cross section and vect analyzing power measured ( $\theta=65-100$ ). No evidence of configuration mixing of g.s. multiplet in analyzing power measurements.

 $^{210}\text{Bi}$  Levels

Cross section data confirm fragmentation of  $8^-$  strength between 580- (85%) and 916-keV (15%) states.

E(level) <sup>†</sup>	J $\pi$ <sup>‡</sup>	Comments
0.0	1 <sup>-</sup>	
46	0 <sup>-</sup>	
268	9 <sup>-</sup>	
320	2 <sup>-</sup>	
348	3 <sup>-</sup>	
431	7 <sup>-</sup>	
438	5 <sup>-</sup>	
503	4 <sup>-</sup>	
547	6 <sup>-</sup>	
580	8 <sup>-</sup>	
916	8 <sup>-</sup>	Configuration= $((\pi 2f_{7/2}) (\nu 2g_{9/2}))$ is dominant.

<sup>†</sup> Members of Configuration= $((\pi 1h_{9/2}) (\nu 2g_{9/2}))$ .

<sup>‡</sup> From Adopted Levels.