

$^{160}\text{Gd}(^{37}\text{Cl},\text{X}\gamma)$  1994Fo04

**1994Fo04:** a 167-MeV  $^{37}\text{Cl}$  beam was produced from the Argonne Tandem Linac Accelerator System (ATLAS). Targets were 1 mg/cm<sup>2</sup> 98.1% enriched  $^{160}\text{Gd}$  backed by 15 mg/cm<sup>2</sup> gold.  $\gamma$  rays detected with the Argonne-Notre Dame BGO  $\gamma$ -ray facility consisting of 12 Compton-suppressed Ge detectors and a 50-element bismuth germanate (BGO) array. Measured  $E_\gamma$ ,  $I_\gamma$ ,  $\gamma\gamma$ -coin. Deduced levels.

 $^{35}\text{P}$  Levels $E(\text{level})^\dagger$ 

0  
3860  
4101  
4493

<sup>†</sup> From  $E_\gamma$  data of **1994Fo04**.

 $\gamma(^{35}\text{P})$ 

<u><math>E_\gamma^\dagger</math></u>	<u><math>E_i(\text{level})</math></u>	<u><math>E_f</math></u>
241	4101	3860
392	4493	4101
3860	3860	0

<sup>†</sup> From **1994Fo04**.

 $^{160}\text{Gd}(^{37}\text{Cl},\text{X}\gamma)$  1994Fo04Level Scheme