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 $^{37}\text{Cl}(^{11}\text{B},^{13}\text{N})$  **1988Or01**

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**1988Or01:** E=81 MeV  $^{11}\text{B}^{5+}$  beam was produced from the ANU 14UD Pelletron accelerator. Targets were enriched  $\text{BaCl}_2$ .

Reaction products were momentum-analyzed with an Enge split-pole spectrometer (FWHM=200 keV at 5.75-10.25°) and detected with a multi-element gas-filled detector at the focal plane. Measured  $\sigma(\text{E}(^{13}\text{N}))$ . Deduced levels. Comparisons with shell-model and DWBA calculations. Proposed a decay scheme of  $^{35}\text{Si}$  based on the  $\gamma$  transitions observed by **1986Du07**.

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 $^{35}\text{P}$  Levels

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E(level) <sup>†</sup>	Comments
0	$d\sigma/d\Omega=120 \mu\text{b/sr}$ 30.
2389 4	$d\sigma/d\Omega=200 \mu\text{b/sr}$ 50.
3860 10	$d\sigma/d\Omega=35 \mu\text{b/sr}$ 9.
4250 20	
4640 20	$d\sigma/d\Omega=30 \mu\text{b/sr}$ 8.
5010 20	
5220 40	$d\sigma/d\Omega\approx 10 \mu\text{b/sr}$ 3.
5840 50	
7590 20	$d\sigma/d\Omega=45 \mu\text{b/sr}$ 11.
8390 40	

<sup>†</sup> From **1988Or01**.