

$^{11}\text{B}(\text{n},\gamma)$:res [1962Im01](#),[1969Mo10](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, J. E. Purcell and C. G. Sheu		NP A968, 71 (2017)	1-Jan-2017

[1962Im01](#): $^{11}\text{B}(\text{n},\gamma)$, deduced nuclear properties.

[1969Mo10](#): $^{11}\text{B}(\text{N},\gamma)$ E=20.8 keV, measured $\sigma(\text{N})$. ^{12}B deduced resonances, levels, J, π , Γ .

[1972Ki19](#): $^{11}\text{B}(\text{N},\gamma)$ E=25,38 MeV, measured σ .

[2003Li50](#): $^{11}\text{B}(\text{N},\gamma)$ E \approx 0-1 MeV. Deduced non-resonant capture σ .

[2010Le02](#): $^{11}\text{B}(\text{N},\gamma)$, deduced reaction rates of astrophysical relevance, and abundances of ^{12}B in r process.

 ^{12}B Levels

E(level) [†]	Comments
3389.5 <i>16</i>	$\Gamma_\gamma=25\times 10^{-3}$ eV <i>8</i> ; $\Gamma_n=3.1$ eV <i>6</i> (1969Mo10) E(level), Γ : From $E_n=20.8$ keV <i>5</i> (1969Mo10).
3.76×10^3	$\Gamma_\gamma=0.30$ eV <i>15</i>
4.31×10^3	$\Gamma_\gamma=0.30$ eV <i>15</i>
4.54×10^3	$\Gamma_\gamma=0.2$ eV <i>1</i>
5.00×10^3	$\Gamma_\gamma=0.9$ eV <i>5</i>

[†] From ([1962Im01](#)), except where noted.