

$^1\text{H}(^{11}\text{Be}, ^{11}\text{Be}')$ [2004Sh28](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

[1995CoZZ](#), [1997Co04](#): $^1\text{H}(^{11}\text{Be}, ^{11}\text{Be})$, E=41.6-68 MeV/nucleon; measured $\sigma(\theta)$.

[1997Co11](#): $^1\text{H}(^{11}\text{Be}, ^{11}\text{Be})$, E=49.3 MeV/nucleon; measured $\sigma(\theta)$. Deduced break-up channels role, optical potential related features.

[2004Sh28](#): $^1\text{H}(^{11}\text{Be}, ^{11}\text{Be}), (^{11}\text{Be}, ^{11}\text{Be}')$, E=63.7 MeV/nucleon; measured excitation energy spectra, $\sigma(\theta)$. ^{11}Be deduced levels, J, π , configurations.

[2008La01](#): $^1\text{H}(^{11}\text{Be}, ^{11}\text{Be})$, E=38.4 MeV/nucleon; measured $\sigma(\theta)$.

 ^{11}Be Levels

E(level)	Comments
0	E(level): unresolved (2004Sh28).
0.32×10^3	E(level): unresolved (2004Sh28).
1.78×10^3	
$2.67 \times 10^3 ?^\dagger$	
$3.41 \times 10^3 ?^\dagger$	
$3.89 \times 10^3 ?^\dagger$	
$3.96 \times 10^3 ?^\dagger$	
$5.25 \times 10^3 ?^\dagger$	

† Unresolved, but required In CDCC analysis ([2004Sh28](#)).