## $^{112}$Sn($^{3}$He,$^{6}$He) 1978Pa11

History

| Type | Author | Citation | Literature Cutoff Date |
|---|---|---|---|
| Full Evaluation | S. Kumar(a), J. Chen(b) and F. G. Kondev | NDS 137, 1 (2016) | 31-May-2016 |

1978Pa11: E=70 MeV $^{3}$He beams with typical intensities of 1 $\mu$A were produced from the Michigan State University cyclotron. The target was 80.04% enriched $^{112}$Sn with a thickness of 850 $\mu$g/cm$^{2}$. Reaction products were momentum analyzed with an Enge split-pole magnetic spectrograph and detected by a two-wire charge-division gas proportional counter for position and energy loss information. Time of flight and light output information were provided by a plastic scintillator backing the proportional counters. Measured $\sigma$(E($^{6}$He)). Deduced levels, mass excess.

### $^{109}$Sn Levels

| E(level)[†] |
|---|
| 0.0 |
| 1277 *15* |

[†] From 1978Pa11.