## $^{48}$Ti($^{3}$He,$^{3}$He′) 1974Mo13,1971Mo39

| Type | Author | History Citation | Literature Cutoff Date |
|---|---|---|---|
| Full Evaluation | Jun Chen | NDS 179, 1 (2022) | 30-Nov-2021 |

1974Mo13,1971Mo39: E=29 MeV $^{3}$He beam was produced from the Heidelberg MP Tandem Van de Graaff. Target was ≈1 mg/cm$^{2}$ enriched $^{48}$Ti. Scattered particles were detected with 10 surface-barrier Si counter telescopes (FWHM≈70 keV). Measured $\sigma(\theta)$, $\theta$=20° to 100°. Microscopic DWBA analysis of excited 0$^{+}$ state (1974Mo13).

See also $^{48}$Ti($^{3}$He,$^{3}$He′),($\alpha$,$\alpha$′):GQR in inelastic scattering.

### $^{48}$Ti Levels

| E(level) | L | Comments |
|---|---|---|
| 0 | | |
| 980 | 2 | $\beta_2$=0.20 from collective model DWBA analysis (1994Ra29,1971Mo39). |
| 3000 | 0 | Particle-hole structure studied; see 1974Mo13 for details. |