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 $^{55}\text{Mn}(\text{p},\alpha)$     [1967Ka11](#)

| Type            | Author               | History | Citation            | Literature Cutoff Date |
|-----------------|----------------------|---------|---------------------|------------------------|
| Full Evaluation | Yang Dong, Huo Junde |         | NDS 128, 185 (2015) | 10-Jul-2015            |

Target  $J^\pi=5/2^-$ .

[1964Ve02](#): E=11-12.5 MeV, measured  $\sigma(E,\theta)$ , solid-state detectors with energy resolutions of  $\approx 50$  keV.

[1967Ka11](#): E=12 MeV, measured A particles by a broad-range single-gap magnetic spectrograph, half-widths: 10-15 keV.

[1967Br13](#): E=12 MeV, measured  $\sigma(E,\theta)$  by a multi-gap spectrograph.

Others: [1957Ma25](#), [1960Og03](#), [1962Sh29](#), [1985Hs01](#).

 $^{52}\text{Cr}$  Levels

| <u>E(level)<sup>†</sup></u> | <u>E(level)<sup>†</sup></u> | <u>E(level)<sup>†</sup></u> | <u>E(level)<sup>†</sup></u> |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 0.0                         | 3619 5                      | 4837 5                      | 5450 6                      |
| 1434 5                      | 3772 5                      | 4950 5                      | 5494 5                      |
| 2371 5                      | 3947 5                      | 5097 5                      | 5538 5                      |
| 2650 5                      | 4016 5                      | 5141 5                      | 5546 8                      |
| 2767 5                      | 4040 5                      | 5211 5                      | 5571 5                      |
| 2965 5                      | 4563 5                      | 5281 5                      | 5585 7                      |
| 3114 5                      | 4630 5                      | 5346 5                      | 5664 5                      |
| 3163 5                      | 4706 5                      | 5410 5                      | 5725 5                      |
| 3416 5                      | 4743 5                      | 5422 8                      | 5798 5                      |
| 3472 5                      | 4808 5                      | 5432 8                      | 5996 6                      |

<sup>†</sup> From [1967Ka11](#). The energies are an average of values from (p,p') and (p, $\alpha$ ).