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 $^{144}\text{Sm}(\text{d}, ^3\text{He})$  [1979Do06,1971Wi04](#)

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| Type            | Author                | History<br>Citation | Literature Cutoff Date |
|-----------------|-----------------------|---------------------|------------------------|
| Full Evaluation | E. Browne, J. K. Tuli | NDS 113, 715 (2012) | 31-May-2011            |

E=52 MeV, FWHM=270 keV ([1979Do06](#)), 40.3 MeV, FWHM=90 keV ([1971Wi04](#)), 27.3 MeV ([1970Is01](#)).

Measured:  $\sigma(E,\theta)$ , DWBA analysis.

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 $^{143}\text{Pm}$  Levels

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| E(level) <sup>‡</sup> | J <sup>π</sup> <sup>†</sup> | L <sup>‡</sup> | C <sup>2</sup> S <sup>‡</sup> | Comments                                          |
|-----------------------|-----------------------------|----------------|-------------------------------|---------------------------------------------------|
| 0.0                   | 5/2 <sup>+</sup>            | 2              | 3.20                          |                                                   |
| 270 8                 | 7/2 <sup>+</sup>            | 4              | 7.50                          |                                                   |
| 960 8                 | 11/2 <sup>-</sup>           | 5              | 1.40                          |                                                   |
| 1060 16               | 3/2 <sup>+</sup>            | 2              | 0.38                          | C <sup>2</sup> S: from <a href="#">1979Do06</a> . |
| 1170 16               | 1/2 <sup>+</sup>            | 0              | 0.23                          |                                                   |
| 1400 16               | 3/2 <sup>+</sup>            | 2              | 0.53                          |                                                   |
| 1970                  |                             |                |                               | E(level): from <a href="#">1979Do06</a> .         |
| ≈5000                 | (9/2) <sup>+</sup>          | 4              | 7.7                           | E(level),L: group of L=4 levels.                  |

<sup>†</sup> From Adopted Levels.

<sup>‡</sup> From [1971Wi04](#), except where noted otherwise.