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 $^{28}\text{Si}(^{12}\text{C}, ^8\text{Be})$  [1976Ar02,1979Be01](#)

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| <u>Type</u>     | <u>Author</u> | <u>History Citation</u> | <u>Literature Cutoff Date</u> |
|-----------------|---------------|-------------------------|-------------------------------|
| Full Evaluation | Jun Chen      | NDS 201,1 (2025)        | 31-Oct-2024                   |

[1976Ar02](#): E=29.4 MeV (center of mass)  $^{12}\text{C}$  beam at the Florida State University S-FN Tandem Van de Graaff. Si surface barrier detectors. Measured energy spectrum,  $\sigma(\theta)$ . Deduced levels, J.

[1979Be01](#): Reanalysis of [1976Ar02](#) data.

Other:

[1981Al26](#):  $^{12}\text{C}(^{28}\text{Si}, 2\alpha)$  E=68-80 MeV. Measured  $\alpha\alpha$ -coin.

 $^{32}\text{S}$  Levels

| <u>E(level)<sup>†</sup></u> | <u>J<math>\pi</math><sup>†</sup></u> |
|-----------------------------|--------------------------------------|
| 0                           | 0 <sup>+</sup>                       |
| 2230                        | 2 <sup>+</sup>                       |
| 5010                        | 3 <sup>-</sup>                       |

<sup>†</sup> From [1979Be01](#). Spin-parity from DWBA analysis of measured  $\sigma(\theta)$  in [1976Ar02](#).