

$^{50}\text{Cr}(^6\text{Li},\text{pn}\gamma),(^7\text{Li},2\text{np}\gamma)$ 1979Gu07

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|----------------------|---------|-------------------|------------------------|
| Full Evaluation | Yang Dong, Huo Junde | | NDS 121, 1 (2014) | 20-Jun-2014 |

E=20 MeV, DSAM, $n\gamma$ -coincidence, Ge(Li) FWHM=2.1 keV.

 ^{54}Fe Levels

| E(level) [†] | J ^π [‡] | T _{1/2} |
|-----------------------|-----------------------------|------------------|
| 0.0 | 0 ⁺ | |
| 1410 1 | 2 ⁺ | |
| 2538.0 15 | 4 ⁺ | |
| 2950.0 18 | 6 ⁺ | |
| 6381.2 20 | 8 ⁺ | 114 fs +28-21 |
| 6527.2 23 | 10 ⁺ | |

[†] From least-squares fits to E γ 's.

[‡] From Adopted Levels.

 $\gamma(^{54}\text{Fe})$

| E γ [†] | E _i (level) | J _i ^π | E _f | J _f ^π |
|-------------------------|------------------------|-----------------------------|----------------|-----------------------------|
| 146 1 | 6527.2 | 10 ⁺ | 6381.2 | 8 ⁺ |
| 412 1 | 2950.0 | 6 ⁺ | 2538.0 | 4 ⁺ |
| 1130 1 | 2538.0 | 4 ⁺ | 1410 | 2 ⁺ |
| 1408 1 | 1410 | 2 ⁺ | 0.0 | 0 ⁺ |
| 3431 1 | 6381.2 | 8 ⁺ | 2950.0 | 6 ⁺ |

[†] $\Delta E=1$ keV from FWHM estimated by evaluator.

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Level Scheme

