

$^{238}\text{U}(^{64}\text{Ni},\text{X}\gamma)$ 2006Ma11,2010Fi09

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

Includes $^{208}\text{Pb}(^{36}\text{S},\text{X}\gamma)$.

2006Ma11: $^{238}\text{U}(^{64}\text{Ni},\text{X}\gamma)$, E=400 MeV. Projectile-like nuclei following multi-nucleontransfers were detected with PRISMA magnetic spectrometer. The gamma-rays were measured using CLARA array of 25 EUROBALL Clover Ge detectors. Coincidences were measured between gamma rays and Cr isotopes.

2010Fi09: $^{208}\text{Pb}(^{36}\text{S},\text{X}\gamma)$, E=218 MeV. Measured reaction products, E γ , I γ , (fragment) γ -coin using PRISMA magnetic spectrometer and CLARA array of 25 EUROBALL Clover Ge detectors isotopes.

Same data are from fig. 2 of **2006Ma11** and fig. 3 of **2010Fi09**.

 ^{54}Cr Levels

E(level)	J $^{\pi}$
0	0 ⁺
835	2 ⁺
1824	4 ⁺
3222	6 ⁺
4680	8 ⁺

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

E γ	E $_i$ (level)	J $_i^{\pi}$	E $_f$	J $_f^{\pi}$
835	835	2 ⁺	0	0 ⁺
989	1824	4 ⁺	835	2 ⁺
1398	3222	6 ⁺	1824	4 ⁺
1458	4680	8 ⁺	3222	6 ⁺

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Level Scheme

