

$\text{He}(^{33}\text{Al}, ^{33}\text{Al}\gamma)$ 2006FuZX

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 199,1 (2025)	30-Sep-2024

2006FuZX: E=40 MeV/nucleon ^{33}Mg beam was produced by fragmentation of 63 MeV/nucleon ^{40}Ar primary beam from the RIKEN accelerator on a carbon or beryllium target. Fragments were separated by the RIPS fragment separator. The secondary target was liquid helium. Reaction products and scattered particles were detected and identified by a parallel-plate avalanche counter (PPAC) and a silicon detector telescope; γ rays were detected with an array of NaI(Tl) detectors surrounding the target. Report γ -ray peaks at 747.5 10 and 1838.6 17.

 ^{33}Al LevelsE(level)[†]

0.0
747.5 10
1838.6 17

[†] From E γ data, based on placements in the Adopted Levels, Gammas.

 $\gamma(^{33}\text{Al})$

E γ [†]	E _i (level)	E _f
747.5 10	747.5	0.0
1838.6 17	1838.6	0.0

[†] From **2006FuZX**. Those transitions are not placed in **2006FuZX** and their placements here are from the Adopted Levels, Gammas.

 $\text{He}(^{33}\text{Al}, ^{33}\text{Al}\gamma)$ 2006FuZXLevel Scheme