

$^{23}\text{Na}(\alpha,\alpha')$ 1988Ma35

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia [#] , A. Chakraborty ^{##}		NDS 171,1 (2021)	1-Jun-2020

Other references: [1991Fr02](#) (E=48.7 MeV), [1981La06](#) (E=12-15 MeV), [1974Le01](#) (E=22 MeV), [1972Li02](#) (also studied (p, $\alpha\gamma$)).

[1988Ma35](#): $^{23}\text{Na}(\alpha,\alpha')$ E=42 MeV; ^{23}Na target (thickness 140 $\mu\text{g}/\text{cm}^2$) in the form of NaCl deposition on a 10 $\mu\text{g}/\text{cm}^2$ carbon foil. QMG/2 magnetic spectrometer, gas filled ionization chamber; Measured α' particles at five different angles; Deduced excited levels, deformation lengths.

 ^{23}Na Levels

E(level) [†]	J π [‡]
0.0	3/2 ⁺
440	5/2 ⁺
2076	7/2 ⁺
2704	9/2 ⁺

[†] From [1988Ma35](#).

[‡] From Adopted Levels.