
 $^{25}\text{Mg}(\alpha,\alpha)$ **1971Le18**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia, Anagha Chakraborty		NDS 205,1 (2025)	31-May-2025

1971Le18: Elastic scattering cross sections of 18 to 22 MeV alpha particles by ^{25}Mg were measured at 174° laboratory angle.

Other: **1976Ki05**.

All data are from **1971Le18**.

 ^{25}Mg Levels

E(level)	Comments
18.20×10^3 23	$(d\sigma/d\Omega)_{\text{C.M.}} = 10.3$ mb/sr 4.
18.55×10^3 20	$(d\sigma/d\Omega)_{\text{C.M.}} = 5.25$ mb/sr 31.
19.27×10^3 18	$(d\sigma/d\Omega)_{\text{C.M.}} = 5.50$ mb/sr 31.
19.85×10^3 18	$(d\sigma/d\Omega)_{\text{C.M.}} = 6.79$ mb/sr 31.
20.34×10^3 18	$(d\sigma/d\Omega)_{\text{C.M.}} = 5.85$ mb/sr 31.
20.69×10^3 18	$(d\sigma/d\Omega)_{\text{C.M.}} = 8.63$ mb/sr 31.
21.12×10^3 15	$(d\sigma/d\Omega)_{\text{C.M.}} = 4.45$ mb/sr 21.
22.02×10^3 13	$(d\sigma/d\Omega)_{\text{C.M.}} = 5.12$ mb/sr 21.
22.49×10^3 13	$(d\sigma/d\Omega)_{\text{C.M.}} = 2.81$ mb/sr 10.