
 $^{159}\text{Tb}(^{12}\text{C},\text{X})$ [1984Ba57](#),[1987Ar06](#),[1987Ar23](#)

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$E(^{12}\text{C}) \approx 100$ MeV. Heavy-ion fusion reaction, with $\approx 80\%$ of cross section corresponding to complete fusion (^{171}Lu at excitation energy of ≈ 80 MeV).

[1984Ba57](#): measured $\gamma\gamma$ directional correlations, anisotropy with respect to spin axis of compound nucleus; interpreted results in terms of decay of the GDR in a prolate compound nucleus.

[1987Ar06](#): measured $\gamma\gamma$ directional correlations; observed indications of a non-stretched quadrupole component at ≈ 10 MeV.

[1987Ar23](#): measured n- γ coin ($E_\gamma=2\text{-}20$ MeV, $E(n)=2\text{-}12$ MeV); deduced γ -neutron emission sequence.