

²⁵⁹Db α decay [2001Ga20,2002Gu33](#)

<u>Type</u>	<u>Author</u>	<u>History</u> <u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	E. Browne, J. K. Tuli	NDS 114, 1041 (2013)	1-Nov-2011

Parent: ²⁵⁹Db: E=0.0; T_{1/2}=0.51 s 16; Q(α)=9619 50; % α decay=?

²⁵⁹Db-T_{1/2}: From [2001Ga20](#), [2002Gu33](#).

[Additional information 1.](#)

²⁵⁹Db activity was produced by the ²⁴¹Am(²²Ne,4n) reaction at E=118 MeV. The identification of ²⁵⁹Db is based on its genetic relationship with the known ²⁵⁵Lr (21 s), and it has been established by an alpha-recoiled milking measurement ([2001Ga20,2002Gu33](#)).

²⁵⁵Lr Levels

<u>E(level)</u>	<u>Jπ</u>	<u>T_{1/2}</u>	<u>Comments</u>
0.0	[1/2 ⁻]	31.1 s 11	T _{1/2} ,J π : From Adopted Levels.

α radiations

<u>Eα</u>	<u>E(level)</u>	<u>Comments</u>
9470	0.0	E α : Measured with Si(Au) surface-barrier detectors.