

${}^{76}\text{Ge}({}^{34}\text{S},4\text{p}7\text{n}\gamma)$ 1993Gi02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 145, 25 (2017)	1-Jul-2017

E=148 MeV.

Measured: γ , $\gamma\gamma$, $\gamma(\theta)$. ${}^{99}\text{Ru}$ Levels

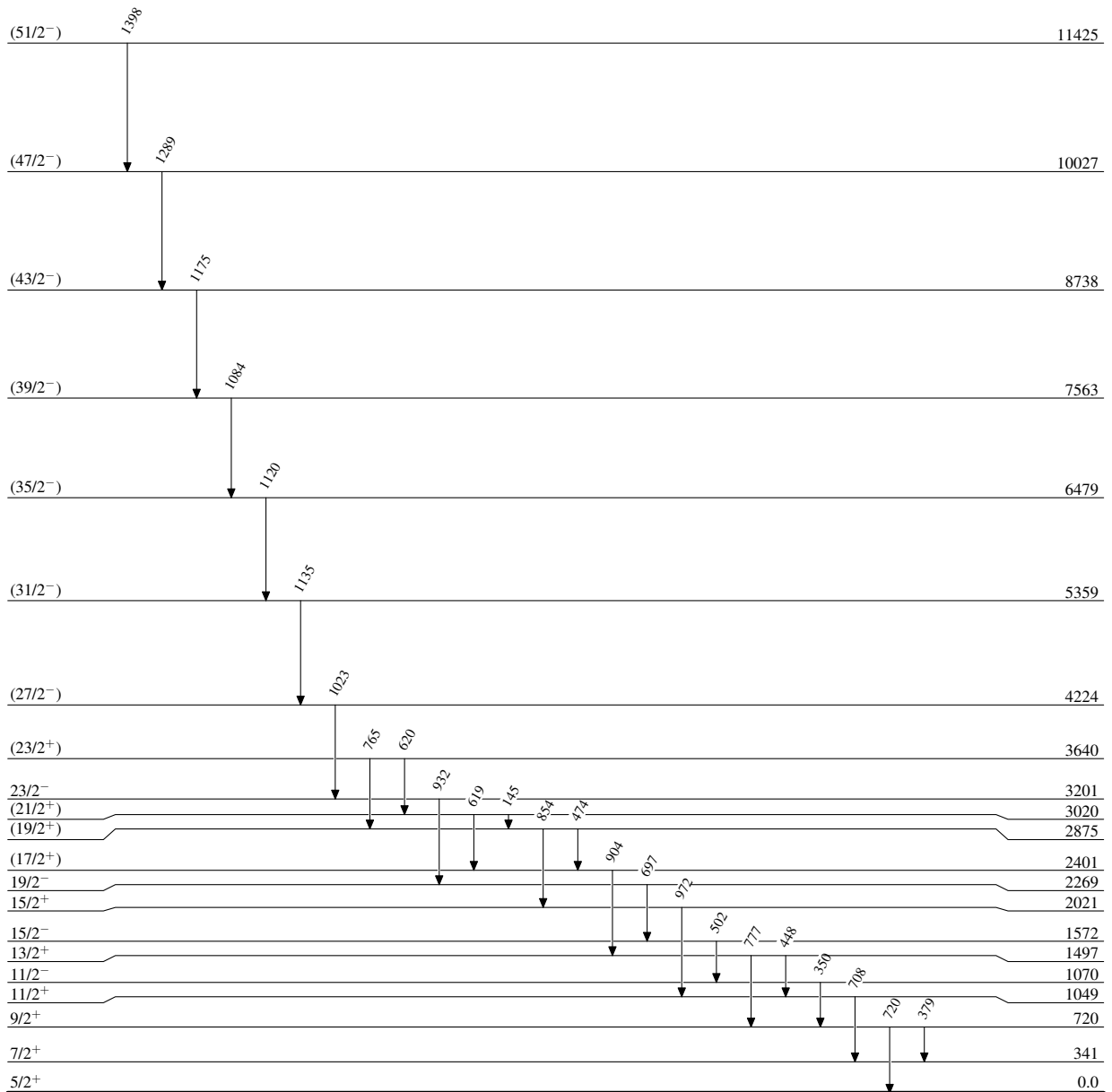
E(level)	J^π^\dagger	E(level)	J^π^\dagger	E(level)	J^π^\dagger	E(level)	J^π^\dagger
0.0	5/2 ⁺	1572	15/2 ⁻	3201	23/2 ⁻	8738	(43/2 ⁻)
341	7/2 ⁺	2021	15/2 ⁺	3640	(23/2 ⁺)	10027	(47/2 ⁻)
720	9/2 ⁺	2269	19/2 ⁻	4224	(27/2 ⁻)	11425	(51/2 ⁻)
1049	11/2 ⁺	2401	(17/2 ⁺)	5359	(31/2 ⁻)		
1070	11/2 ⁻	2875	(19/2 ⁺)	6479	(35/2 ⁻)		
1497	13/2 ⁺	3020	(21/2 ⁺)	7563	(39/2 ⁻)		

 † From $\gamma(\theta)$ and syst for collective bands. $\gamma({}^{99}\text{Ru})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
145	3020	(21/2 ⁺)	2875	(19/2 ⁺)	777	1497	13/2 ⁺	720	9/2 ⁺
350	1070	11/2 ⁻	720	9/2 ⁺	854	2875	(19/2 ⁺)	2021	15/2 ⁺
379	720	9/2 ⁺	341	7/2 ⁺	904	2401	(17/2 ⁺)	1497	13/2 ⁺
448	1497	13/2 ⁺	1049	11/2 ⁺	932	3201	23/2 ⁻	2269	19/2 ⁻
474	2875	(19/2 ⁺)	2401	(17/2 ⁺)	972	2021	15/2 ⁺	1049	11/2 ⁺
502	1572	15/2 ⁻	1070	11/2 ⁻	1023	4224	(27/2 ⁻)	3201	23/2 ⁻
619	3020	(21/2 ⁺)	2401	(17/2 ⁺)	1084	7563	(39/2 ⁻)	6479	(35/2 ⁻)
620	3640	(23/2 ⁺)	3020	(21/2 ⁺)	1120	6479	(35/2 ⁻)	5359	(31/2 ⁻)
697	2269	19/2 ⁻	1572	15/2 ⁻	1135	5359	(31/2 ⁻)	4224	(27/2 ⁻)
708	1049	11/2 ⁺	341	7/2 ⁺	1175	8738	(43/2 ⁻)	7563	(39/2 ⁻)
720	720	9/2 ⁺	0.0	5/2 ⁺	1289	10027	(47/2 ⁻)	8738	(43/2 ⁻)
765	3640	(23/2 ⁺)	2875	(19/2 ⁺)	1398	11425	(51/2 ⁻)	10027	(47/2 ⁻)

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Level Scheme

 ${}^{99}_{44}\text{Ru}_{55}$