Target isotope: $^{92}_{42}$Mo $I^{\pi}_{\circ} = 0^+$ *Abundance:* 14.84(35) % $S_{\mathrm{p}} = 4086.5(10)$ keV

$^{93}_{43}$Tc(p)

$E_{\circ}$ [keV]	$2J^{\pi}$	Γ_{p} [eV]	γ^2_{p} [keV]	Γ [eV]	E^*_{analog} [keV]	S_{pp}	S_{dp}	E_{cm} [keV]	E^* [keV]	Ref.	
2040	1,3							2019	6105	83Ay01	
2303	1,3,5							2279	6365	83Ay01	
2401	3							2376	6462	83Ay01	
2408	5							2383	6469	83Ay01	
2416	5,7							2391	6477	83Ay01	
2476	3							2444	6530	83Ay01	
2517	3							2490	6576	83Ay01	
2537	3							2510	6596	83Ay01	
2540	1,3,5							2513	6599	83Ay01	
3107								3074	7160(50)	72As02	97Ba13
3602								3564	7650(50)	72As02	97Ba13
4057								4014	8100(50)	72As02	97Ba13
4307.0(70)*	3^+,5^+	15	0.57					4261	8347(7)	76Br02	
4317.3(70)*	3^+,5^+	10	0.37					4270	8357(7)	76Br02	
4331.8(70)*	3^+,5^+	20	0.75					4285	8372(7)	76Br02	
4336.7(70)*	3^+,5^+	75	2.80					4290	8377(7)	76Br02	
4339.2(70)*	3^+,5^+	45	1.70					4292	8379(7)	76Br02	
4341.5(70)*	3^+,5^+	20	0.95					4294	8381(7)	76Br02	
4343.8(70)*	3^+,5^+	65	2.47					4297	8384(7)	76Br02	
4347.5(70)*	3^+,5^+	35	1.31					4300	8387(7)	76Br02	
4348.5(70)*	3^+,5^+	30	1.12					4301	8388(7)	76Br02	
4351.2(70)*	3^+,5^+	65	2.44					4304	8391(7)	76Br02	
4351.9(70)*	3^+,5^+	30	1.12					4305	8392(7)	76Br02	
4354.9(70)*	3^+,5^+	140	5.20		0.0	0.72	0.84	4308	8395(7)	76Br02	66Mo06
4358.0(70)*	3^+,5^+	35	1.30					4311	8398(7)	76Br02	
4360.8(70)*	3^+,5^+	25	0.90					4313	8400(7)	76Br02	
4361.8(70)*	3^+,5^+	30	1.10					4314	8401(7)	76Br02	
4364.3(70)*	3^+,5^+	35	1.27					4317	8404(7)	76Br02	
4369.7(70)*	3^+,5^+	15	0.54					4322	8409(7)	76Br02	
4370.4(70)*	3^+,5^+	20	0.72					4323	8410(7)	76Br02	
4386.7(70)*	3^+,5^+	20	0.71					4339	8426(7)	76Br02	
5048.0(70)*	1^+	50(10)	0.14					4994	9080(7)	76Br02	97Ba13
5050.3(70)*	1^+	60(10)	0.16					4996	9083(7)	76Br02	97Ba13
5052.3(70)*	1^+	15(10)	0.04					4998	9085(7)	76Br02	97Ba13
5054.4(70)*	1^+	70(10)	0.19					5000	9087(7)	76Br02	97Ba13
5055.5(70)*	1^+	80(10)	0.22					5001	9088(7)	76Br02	97Ba13
5057.3(70)*	1^+	30(10)	0.08					5002	9089(7)	76Br02	97Ba13
5059.7(70)*	1^+	240(24)	0.68					5005	9092(7)	76Br02	97Ba13
5060.9(70)*	1^+	30(10)	0.08					5006	9093(7)	76Br02	97Ba13
5062.8(70)*	1^+	20(10)	0.05					5008	9095(7)	76Br02	97Ba13
5068.4(70)*	1^+	55(10)	0.15					5013	9100(7)	76Br02	97Ba13
5070.1(70)*	1^+	70(10)	0.19					5015	9102(7)	76Br02	97Ba13
5072.1(70)*	1^+	80(10)	0.21					5017	9104(7)	76Br02	97Ba13
5081.0(70)*	1^+	40(10)	0.11					5026	9113(7)	76Br02	97Ba13
5081.8(70)*	1^+	20(10)	0.05					5027	9114(7)	76Br02	97Ba13

(continued) $^{93}_{43}\mathbf{Tc}(\mathrm{p})$

$E_\circ$ [keV]	$2J^\pi$	Γ_p [eV]	γ_p^2 [keV]	Γ [eV]	E^*_analog [keV]	S_pp	S_dp	E_cm [keV]	E^* [keV]	Ref.	
5083.2(70)*	1^+	50(10)	0.13					5028	9115(7)	76Br02	97Ba13
5087.4(70)*	1^+	10(10)	0.03					5032	9119(7)	76Br02	97Ba13
5093.3(70)*	1^+	15(10)	0.04					5038	9125(7)	76Br02	97Ba13
5094.2(70)*	1^+	50(10)	0.13					5039	9126(7)	76Br02	97Ba13
5101.4(70)*	1^+	20(10)	0.05					5046	9133(7)	76Br02	97Ba13
5103.2(70)*	1^+	30(10)	0.08					5048	9135(7)	76Br02	97Ba13
5105.0(70)*	1^+	55(10)	0.14					5050	9137(7)	76Br02	97Ba13
5107.2(70)*	1^+	45(10)	0.12					5052	9139(7)	76Br02	97Ba13
5110.0(70)*	1^+	65(10)	0.17					5055	9142(7)	76Br02	97Ba13
5115.7(70)*	1^+	10(10)	0.03					5060	9147(7)	76Br02	97Ba13
5121.2(70)*	1^+	30(10)	0.08					5066	9153(7)	76Br02	97Ba13
5125.9(70)*	1^+	70(10)	0.18					5070	9157(7)	76Br02	97Ba13
5129.6(70)*	1^+	40(10)	0.10					5074	9161(7)	76Br02	97Ba13
5130.7(70)*	1^+	15(10)	0.04					5075	9162(7)	76Br02	97Ba13
5132.9(20)	1^+	110(10)	0.28					5077	9164(2)	76Bi0A	76Br02
5134.6(20)	1^+	60(10)	0.15					5079	9166(2)	76Bi0A	76Br02
5135.6(20)	1^+	100(10)	0.25					5080	9167(2)	76Bi0A	76Br02
5136.8(70)*	1^+	10(10)	0.03					5081	9168(7)	76Br02	97Ba13
5139.4(20)	1^+	100(10)	0.25					5084	9171(7)	76Bi0A	76Br02
5140.9(20)	1^+	30(10)	0.08					5085	9172(2)	76Bi0A	76Br02
5143.3(20)	1^+	210(20)	0.53					5088	9175(2)	76Bi0A	76Br02
5146.0(20)	1^+	30(10)	0.08					5091	9177(2)	76Bi0A	76Br02
5148.4(20)	1^+	103(10)	0.26					5093	9180(2)	76Bi0A	76Br02
5150.1(20)	1^+	43(10)	0.11					5094	9181(2)	76Bi0A	76Br02
5152.9(20)	1^+	43(10)	0.11					5097	9184(2)	76Bi0A	76Br02
5155.0(20)	1^+	5(5)	0.01					5100	9186(2)	76Bi0A	76Br02
5156.7(20)	1^+	20(5)	0.05					5101	9188(2)	76Bi0A	76Br02
5159.2(20)	1^+	32(10)	0.08					5103	9190(2)	76Bi0A	76Br02
5160.1(70)*	1^+	15(10)	0.04					5104	9191(7)		76Br02
5160.3(20)	1^+	63(10)	0.16					5104	9191(2)	76Bi0A	76Br02
5161.9(20)	1^+	165(15)	0.41					5106	9193(2)	76Bi0A	76Br02
5164.4(20)	1^+	145(15)	0.36					5108	9195(2)	76Bi0A	76Br02
5169.4(20)	1^+	51(10)	0.12					5113	9200(2)	76Bi0A	76Br02
5171.5(20)	1^+	10(5)	0.02					5115	9202(2)	76Bi0A	76Br02
5183.1(20)	1^+	20(5)	0.05					5127	9214(2)	76Bi0A	76Br02
5188.3(20)	1^+	70(10)	0.17					5132	9219(2)	76Bi0A	76Br02
5189.6(20)	1^+	90(10)	0.21					5133	9220(2)	76Bi0A	76Br02
5189.9(20)	1^+	10(5)	0.02					5134	9221(2)	76Bi0A	
5191.4(20)	1^+	10(5)	0.02					5135	9222(2)	76Bi0A	76Br02
5191.9(20)	1^+	40(10)	0.09					5136	9223(2)	76Bi0A	76Br02
5192.5(20)	1^+	30(10)	0.07					5136	9223(2)	76Bi0A	76Br02
5193.3(20)	1^+	10(5)	0.02					5137	9224(2)	76Bi0A	
5194.9(20)	1^+	96(10)	0.23					5139	9226(2)	76Bi0A	76Br02
5195.8(20)	1^+	20(5)	0.05					5139	9226(2)	76Bi0A	76Br02
5197.0(70)*	1^+	30	0.07					5141	9228(7)		76Br02

(continued) $^{93}_{43}\mathbf{Tc}(\mathrm{p})$

$E_\circ$ [keV]	$2J^\pi$	Γ_p [eV]	γ_p^2 [keV]	Γ [eV]	E^*_analog [keV]	S_pp	S_dp	E_cm [keV]	E^* [keV]	Ref.	
5197.7(20)	1^+	10(5)	0.02					5141	9228(2)	76Bi0A	76Br02
5200.4(20)	1^+	25(10)	0.06					5144	9231(2)	76Bi0A	76Br02
5201.0(20)	1^+	10(5)	0.02					5145	9232(2)	76Bi0A	76Br02
5201.9(20)	1^+	38(10)	0.09					5146	9233(2)	76Bi0A	76Br02
5202.7(20)	1^+	100(10)	0.23					5146	9233(2)	76Bi0A	76Br02
5205.2(70)*	1^+	15	0.03					5149	9236(7)		76Br02
5207.7(20)	1^+	90(10)	0.21					5151	9238(2)	76Bi0A	76Br02
5209.0(70)*	1^+	30	0.07					5153	9240(7)		76Br02
5210.1(20)	1^+	30(10)	0.07					5154	9241(2)	76Bi0A	76Br02
5211.1(70)*	1^+	30	0.07					5155	9242(7)		76Br02
5211.4(20)	1^+	50(10)	0.12					5155	9242(2)	76Bi0A	76Br02
5212.2(20)	1^+	20(5)	0.05					5156	9243(2)	76Bi0A	76Br02
5214.6(20)	1^+	60(10)	0.14					5158	9245(2)	76Bi0A	76Br02
5216.1(20)	1^+	20(5)	0.05					5160	9247(2)	76Bi0A	76Br02
5219.0(20)	1^+	115(10)	0.26					5163	9249(2)	76Bi0A	76Br02
5220.4(20)	1^+	210(20)	0.48					5164	9251(2)	76Bi0A	76Br02
5222.0(20)	1^+	24(10)	0.06					5166	9252(2)	76Bi0A	76Br02
5224.3(20)	1^+	80(10)	0.16					5168	9255(2)	76Bi0A	76Br02
5226.2(20)	1^+	15(5)	0.03					5170	9257(2)	76Bi0A	76Br02
5228.0(20)	1^+	78(10)	0.18					5172	9258(2)	76Bi0A	76Br02
5229.0(20)	1^+	287(30)	0.65					5173	9259(2)	76Bi0A	76Br02
5229.5(20)	1^+	163(15)	0.37					5173	9260(2)	76Bi0A	76Br02
5231.0(20)	1^+	25(10)	0.06					5175	9261(2)	76Bi0A	76Br02
5233.6(20)	1^+	10(5)	0.02					5177	9264(2)	76Bi0A	76Br02
5234.0(20)	1^+	114(10)	0.26					5178	9264(2)	76Bi0A	76Br02
5236.5(20)	1^+	242(25)	0.56					5180	9267(2)	76Bi0A	76Br02
5237.1(20)	1^+	50(10)	0.11					5180	9267(2)	76Bi0A	76Br02
5237.6(20)	1^+	60(10)	0.11					5181	9268(2)	76Bi0A	76Br02
5243.7(20)	1^+	31(10)	0.07					5187	9274(2)	76Bi0A	76Br02
5246.3(20)	1^+	152(35)	0.78					5189	9276(2)	76Bi0A	76Br02
5251.8(20)	1^+	292(30)	0.65					5195	9282(2)	76Bi0A	76Br02
5254.1(20)	1^+	363(35)	0.80					5197	9284(2)	76Bi0A	76Br02
5258.5(20)	1^+	65(10)	0.14					5202	9289(2)	76Bi0A	76Br02
5260.8(20)	1^+	35(10)	0.08					5204	9291(2)	76Bi0A	76Br02
5262.0(20)	1^+	30(10)	0.07					5205	9292(2)	76Bi0A	76Br02
5263.4(20)	1^+	256(25)	0.56					5206	9293(2)	76Bi0A	76Br02
5266.5(20)	1^+	32(10)	0.07					5209	9296(2)	76Bi0A	76Br02
5267.6(20)	1^+	29(10)	0.06					5211	9298(2)	76Bi0A	76Br02
5269.2(20)	1^+	32(10)	0.07					5212	9299(2)	76Bi0A	76Br02
5273.0(20)	1^+	392(40)	0.85					5216	9303(2)	76Bi0A	76Br02
5275.4(20)	1^+	254(25)	0.55					5218	9305(2)	76Bi0A	76Br02
5276.2(20)	1^+	227(25)	0.49					5219	9306(2)	76Bi0A	76Br02
5280.3(20)	1^+	121(10)	0.26					5223	9310(2)	76Bi0A	
5280.9(20)	1^+	250(25)	0.54					5224	9311(2)	76Bi0A	76Br02
5282.5(20)	1^+	550(55)	1.18					5225	9312(2)	76Bi0A	76Br02

(continued) **$^{93}_{43}$Tc**(p)

$E_\circ$ [keV]	$2J^\pi$	Γ_p [eV]	γ_p^2 [keV]	Γ [eV]	E^*_{analog} [keV]	S_{pp}	S_{dp}	E_{cm} [keV]	E^* [keV]	Ref.		
5285.0(20)	1^+	31(10)	0.07					5228	9315(2)	76Bi0A		
5287.5(20)	1^+	170(15)	0.36					5230	9317(2)	76Bi0A		
5288.8(20)	1^+	2300(230)	4.6		943		0.64	5231	9318(2)	76Bi0A	76Br02	66Mo06
5290.3(20)	1^+	265(25)	0.6					5233	9320(2)	76Bi0A	76Br02	
5292.6(20)	1^+	502(50)	1.1					5235	9322(2)	76Bi0A	76Br02	
5293.6(20)	1^+	1600(160)	3.3					5236	9323(2)	76Bi0A	76Br02	
5295.3(20)	1^+	124(10)	0.26					5238	9325(2)	76Bi0A	76Br02	
5296.9(70)*	1^+	20	0.04					5239	9326(7)	76Br02		
5299.9(20)	1^+	900(90)	1.9					5242	9329(2)	76Bi0A	76Br02	
5300.1(70)*	1^+	150	0.31					5243	9330(7)	76Br02		
5301.9(20)	1^+	120(10)	0.25					5244	9331(2)	76Bi0A	76Br02	
5303.1(20)	1^+	100(20)	0.21					5246	9333(2)	76Bi0A	76Br02	
5304.2(20)	1^+	150(20)	0.31					5247	9334(2)	76Bi0A	76Br02	
5304.9(20)	1^+	150(20)	0.31					5247	9334(2)	76Bi0A	76Br02	
5306.6(20)	1^+	95(15)	0.20					5249	9336(2)	76Bi0A	76Br02	
5307.4(20)	1^+	220(20)	0.46					5250	9337(2)	76Bi0A	76Br02	
5308.7(20)	1^+	310(30)	0.65					5251	9338(2)	76Bi0A	76Br02	
5310.1(20)	1^+	40(10)	0.08					5253	9340(2)	76Bi0A		
5311.5(70)*	1^+	100	0.20					5254	9341(7)		76Br02	
5311.6(20)	1^+	65(10)	0.13					5254	9341(2)	76Bi0A		
5314.2(20)	1^+	10(5)	0.02					5257	9344(2)	76Bi0A	76Br02	
5316.9(20)	1^+	25(10)	0.05					5259	9346(2)	76Bi0A	76Br02	
5318.9(20)	1^+	251(25)	0.52					5261	9348(2)	76Bi0A	76Br02	
5322.5(20)	1^+	72(10)	0.15					5265	9352(2)	76Bi0A	76Br02	
5324.4(20)	1^+	10(5)	0.02					5267	9354(2)	76Bi0A		
5325.2(20)	1^+	40(10)	0.08					5267	9354(2)	76Bi0A	76Br02	
5326.1(20)	1^+	30(10)	0.06					5268	9355(2)	76Bi0A	76Br02	
5335.5(20)	1^+	30(10)	0.06					5278	9365(2)	76Bi0A	76Br02	
5336.5(20)	1^+	10(5)	0.03					5279	9366(2)	76Bi0A	76Br02	
5337.9(20)	1^+	20(5)	0.04					5280	9367(2)	76Bi0A	76Br02	
5340.0(20)	1^+	30(10)	0.06					5283	9369(2)	76Bi0A	76Br02	
5342.6(20)	1^+	40(10)	0.08					5285	9372(2)	76Bi0A	76Br02	
5348.6(20)	1^+	30(10)	0.06					5291	9378(2)	76Bi0A	76Br02	
5349.4(20)	1^+	15(5)	0.03					5291	9378(2)	76Bi0A	76Br02	
5350.5(20)	1^+	19(5)	0.04					5293	9380(2)	76Bi0A	76Br02	
5352.2(20)	1^+	30(10)	0.06					5294	9381(2)	76Bi0A	76Br02	
5353.7(20)	1^+	30(10)	0.06					5296	9383(2)	76Bi0A		
5357.1(70)*	1^+	10(10)	0.02					5299	9386(7)		76Br02	
5358.2(70)*	1^+	15(10)	0.03					5300	9387(7)		76Br02	
5360.1(70)*	1^+	20(10)	0.04					5302	9389(7)		76Br02	
5361.2(70)*	1^+	15(10)	0.03					5303	9390(7)		76Br02	
5363.8(70)*	1^+	15(10)	0.03					5306	9393(7)		76Br02	
5364.3(20)	1^+	20(5)	0.04					5306	9393(2)	76Bi0A	76Br02	
5366.0(20)	1^+	20(5)	0.04					5308	9395(2)	76Bi0A	76Br02	
5368.0(20)	1^+	20(5)	0.04					5310	9397(2)	76Bi0A	76Br02	

(continued) $^{93}_{43}\mathbf{Tc}(\mathrm{p})$

$E_\circ$ [keV]	$2J^\pi$	Γ_p [eV]	γ_p^2 [keV]	Γ [eV]	E^*_analog [keV]	S_pp	S_dp	E_cm [keV]	E^* [keV]	Ref.		
5369.8(70)*	1^+	20(10)	0.04					5312	9399(7)		76Br02	
5371.3(70)*	1^+	20(10)	0.04					5313	9400(7)		76Br02	
5374.1(20)	1^+	19(5)	0.04					5316	9403(2)	76Bi0A	76Br02	
5376.6(70)*	1^+	20(10)	0.04					5318	9405(7)		76Br02	
5381.8(20)	1^+	20(5)	0.04					5323	9410(2)	76Bi0A	76Br02	
5384.9(20)	1^+	25(10)	0.05					5327	9414(2)	76Bi0A	76Br02	
5392.8(70)*	1^+	20(10)	0.04					5334	9421(7)		76Br02	
5398.2(20)	1^+	30(10)	0.06					5340	9427(2)	76Bi0A	76Br02	
5400.1(20)	1^+	30(10)	0.06					5342	9429(2)	76Bi0A	76Br02	
5403.1(20)	1^+	30(10)	0.06					5345	9432(2)	76Bi0A		
5404.0(20)	1^+	31(10)	0.06					5346	9432(2)	76Bi0A		
5405.7(20)	1^+	19(5)	0.04					5347	9434(2)	76Bi0A		
5407.0(20)	1^+	12(5)	0.02					5349	9435(2)	76Bi0A		
5409.6(20)	1^+	15(5)	0.03					5351	9438(2)	76Bi0A	76Br02	
5412.5(20)	1^+	25(10)	0.05					5354	9441(2)	76Bi0A	76Br02	
5414.2(20)	1^+	40(10)	0.07					5356	9443(2)	76Bi0A		
5416.4(20)	1^+	20(5)	0.04					5358	9445(2)	76Bi0A	76Br02	
5418.9(20)	1^+	20(5)	0.04					5360	9447(2)	76Bi0A		
5420.6(20)	1^+	35(10)	0.06					5362	9449(2)	76Bi0A	76Br02	
5422.3(20)	1^+	34(10)	0.06					5364	9451(2)	76Bi0A		
5424.2(20)	1^+	29(10)	0.05					5365	9452(2)	76Bi0A		
5429.8(20)	1^+	30(10)	0.06					5371	9458(2)	76Bi0A	76Br02	
5437.8(70)*	1^+	20(10)	0.04					5379	9466(7)	97Ba13	76Br02	
5438.5(70)*	1^+	25(10)	0.04					5380	9467(7)	97Ba13	76Br02	
5440.4(70)*	1^+	20(10)	0.04					5381	9468(7)	97Ba13	76Br02	
5443.1(70)*	1^+	15(10)	0.03					5384	9471(7)	97Ba13	76Br02	
5446.5(70)*	1^+	20(10)	0.04					5387	9474(7)	97Ba13	76Br02	
5451.0(70)*	1^+	25(10)	0.04					5392	9479(7)	97Ba13	76Br02	
5452.5(70)*	1^+	30(10)	0.05					5393	9480(7)	97Ba13	76Br02	
5455.6(70)*	1^+	60(10)	0.11					5396	9483(7)	97Ba13	76Br02	
5456.7(70)*	1^+	30(10)	0.05					5398	9485(7)	97Ba13	76Br02	
5459.4(70)*	1^+	30(10)	0.05					5400	9487(7)	97Ba13	76Br02	
5461.2(70)*	1^+	20(10)	0.03					5402	9489(7)	97Ba13	76Br02	
5463.9(70)*	1^+	50(10)	0.08					5405	9492(7)	97Ba13	76Br02	
5470.0(70)*	1^+	30(10)	0.05					5411	9498(7)	97Ba13	76Br02	
5473.4(70)*	1^+	20(10)	0.03					5414	9501(7)	97Ba13	76Br02	
5479.1(70)*	1^+	30(10)	0.05					5420	9507(7)	97Ba13	76Br02	
5481.0(70)*	1^+	20(10)	0.03					5422	9509(7)	97Ba13	76Br02	
5485.9(70)*	1^+	50(10)	0.08					5426	9513(7)	97Ba13	76Br02	
5487.1(70)*	1^+	15(10)	0.02					5428	9515(7)	97Ba13	76Br02	
5490.9(70)*	1^+	30(10)	0.05					5431	9518(7)	97Ba13	76Br02	
5494.7(70)*	1^+	15(10)	0.02					5435	9522(7)	97Ba13	76Br02	
5498.1(70)*	1^+	40(10)	0.06					5439	9526(7)	97Ba13	76Br02	
5755(20)	$\langle 7\rangle^+$				1363	0.28	0.26	5694	9780**	97Ba13		
5875***	$\langle 3\rangle^+$	5000		$22{\cdot}10^3$	1493	0.55		5820	9906	97Ba13	66Mo06	66Lo06

(continued) **$^{93}_{43}$Tc**(p)

$E_\circ$ [keV]	$2J^\pi$	Γ_p [eV]	γ_p^2 [keV]	Γ [eV]	E^*_{analog} [keV]	S_{pp}	S_{dp}	E_{cm} [keV]	E^* [keV]	Ref.		
5925(20)	$\langle 7\rangle^+$				1520			5862	9948**	97Ba13		
6070(20)	$\langle 5^+\rangle$	1500		$17\cdot10^3$	1695			6024	10110	97Ba13		
6550(20)	$\langle 3^+\rangle$	1000		$14\cdot10^3$	2181			6480	10566	97Ba13		
6714(20)	$\langle 11^-\rangle$				2304			6642	10728**	97Ba13		
6820***	$\langle 1^+\rangle$	7000		$37\cdot10^3$	2437			6746	10833	97Ba13	66Mo06	66Lo06
7180***	$\langle 1^+\rangle$	16000		$49\cdot10^3$	2743			7102	11189	97Ba13	66Mo06	66Lo06
7280***	$\langle 3^+\rangle$	1000		$20\cdot10^3$	2881			7202	11288	97Ba13	66Mo06	66Lo06
7570***	3^+	6500		$30\cdot10^3$	3160			7488	11575	97Ba13	66Mo06	66Lo06
7850(20)	$\langle 5^+\rangle$	1500		$40\cdot10^3$	3450			7766	11852	97Ba13	66Mo06	
8015***	$\langle 3^+\rangle$	5500		$20\cdot10^3$	3596			7928	12015	97Ba13	66Mo06	
8150(20)	$\langle 3^+\rangle$	7500		$35\cdot10^3$	3710			8062	12149	97Ba13	66Lo06	
8210(20)	$\langle 5^-\rangle$	1000		$25\cdot10^3$	3790			8122	12208	97Ba13	66Mo06	
8440(20)	$\langle 3^-\rangle$	5000		$70\cdot10^3$	3980			8350	12436	97Ba13		
8510(20)	$\langle 1^+\rangle$							8418	12505		66Mo06	
8590(20)	$\langle 3^+\rangle$	1500		$30\cdot10^3$	4170			8498	12584	97Ba13		

Additional data on this isotope can be found in [97Sa24, 74Bi02, 72Co14, 72Sp02, 71Ri11, 70Co01, 69Ej0A, 69Ej01, 69El08, 68Cu04, 68Li10, 66Ta0A, 65Ri01].

* $E_\circ$ is shifted by the value in parentheses to fit the energy scale of [76Br02] to that of [76Bi0A]; data from [76Bi0A] were arbitrary taken as the "best values".

** Expected parameters of proton resonances from the analysis of data from (^{3}He,d) reaction.

*** These resonances were used in [66Mo06] for determination of Coulomb displacement energies.

Data from several works on reactions with protons were adopted in ENSDF [97Ba13].

Proton widths and reduced proton widths from these two experiments are close to each other, their averaging is made in [93Ba44].

Fine structure in proton elastic scattering (in the vicinity of the analog resonance at $E_\circ$=5.3 MeV) was marked initially in [71Ri11].

Positions of fragmented analogs of ^{93}Mo states and some other correspondences in data are discussed in [97Ba13, 93Ba44].

Resonances at $E_\circ$>5.5 MeV correspond to the groups of compound states which could be seen individually only with the high resolution.

Values Γ_p=12 keV and 3 keV as well as Γ=41 keV and 27 keV [66Mo06] are expressed in eV instead of keV in the compilation [97Ba13]. Given there simultaneously data from the unpublished Thesis by J.Ellis (1969) and private communication (1972) cannot clarify the question. Values Γ=15 eV and 36 eV for IAR states at E^*=8397 keV and 9331 keV are in contradiction with measured values Γ_p=140 eV and 2300 eV in two independent experiments [74Bi02, 76Br02].

Target isotope: $^{94}_{42}$Mo $I^{\pi}_{\circ} = 0^+$ *Abundance:* 9.25(12) % $S_p = 4896.1(51)$ keV

$^{95}_{43}$Tc(p)

$E_\circ$ [keV]	$2J^\pi$	Γ_p [keV]	Γ [keV]	E^*_{analog} [keV]	S_{pp}	S_{dp}	E_{cm} [keV]	E^* [keV]	Ref.
4960(20)	$\langle 5^+ \rangle$	0.6	18	0.0	0.20	0.74	4908	9804(20)	66Mo06
5740(20)	$\langle 3^+ \rangle$	12	45		0.37	0.32	5680	10576(20)	66Mo06
5800(20)	$\langle 1^+ \rangle$	4	37	$\langle 806 \rangle$	0.25	0.53	5739	10635(20)	66Mo06
6040(20)	$\langle 1^+ \rangle$	8	38	1055	0.23	0.17	5976	10873(20)	66Mo06
6610(20)	$\langle 5^+ \rangle$	2	26	1630	0.09	0.11	6540	11437(20)	66Mo06
7010(20)	$\langle 1^+ \rangle$	5	20	2080	0.18	0.045	6936	11832(20)	66Mo06
7130(20)	$\langle 3^+ \rangle$	3	31	2172	0.09	0.14	7055	11951(20)	66Mo06
7350(20)	$\langle 3^- \rangle$	1	10	2390	0.06	0.098	7273	12169(20)	66Mo06
7600(20)	$\langle 3^- \rangle$	5	40	2650	0.06	0.12	7520	12416(20)	66Mo06

Target isotope: $^{95}_{42}$Mo $I^{\pi}_{\circ} = 5/2^+$ *Abundance:* 15.92(13) % $S_p = 5398.7(51)$ keV

$^{96}_{43}$Tc(p)

$E_\circ$ [keV]	J^π	T	Γ_p [keV]	Γ [keV]	E^*_{analog} [keV]	E_{cm} [keV]	E^* [keV]	Ref.		
3042(20)	$\langle 0^+ \rangle$				0.0	3010	8409(20)	66Mo06	66Lo06	
3908(20)	2^+			32(2)	780	3867(10)	9266(10)	66Mo06	71Ki06	
4305(20)					1150	4260	9659(20)	66Mo06	66Lo06	
4699(20)					1640	4650	10049(20)	66Mo06	66Lo06	
4972(20)					1880	4920	10319(20)	66Mo06	66Lo06	
5144(20)					1990	5090	10489(20)	66Mo06	66Lo06	
5214(20)					2100	5160	10559(20)	66Mo06	66Lo06	
5386(20)					2230	5330	10729(20)	66Mo06	66Lo06	
5568(20)					2430	5510	10909(20)	66Mo06	66Lo06	
5628(20)					2550	5600	10999(20)	66Mo06	98Hu22	
5808(20)					2710	5710	11109(20)	98Hu22	66Mo06	66Lo06
6123						6059	11457	98Hu22		

Additional data on this isotope can be found in [98Hu22].

Target isotope: $^{96}_{42}$Mo $I^{\pi}_{\circ} = 0^+$ *Abundance:* 16.68(2) % $S_p = 5718.5(41)$ keV

$^{97}_{43}$Tc(p)

$E_\circ$ [keV]	$2J^\pi$	Γ_p [keV]	Γ [keV]	E^*_{analog} [keV]	S_{pp}	S_{dp}	E_{cm} [keV]	E^* [keV]	Ref.			
5380(20)*	5^+	2.5	33	0.0	0.25	0.42	5325	11043(20)	66Mo06	73Ke01	66Lo06	93Ar09
6070(20)*	1^+	31	68	680	0.68	0.55	6007	11726(20)	66Mo06	73Ke01	66Lo06	93Ar09
6180(20)*	3^+	5	33	$\langle 730 \rangle$	0.27	0.28	6116	11835(20)	66Mo06	73Ke01	93Ar09	
6330(20)*	1^+					0.11	6265	11983(20)	66Mo06	73Ke01	93Ar09	
6470(20)	$\langle 1^+ \rangle$			888			6403	12122(20)	66Mo06		66Lo06	

(continued) **$^{97}_{43}$Tc(p)**

$E_\circ$ [keV]	$2J^\pi$	Γ_p [keV]	Γ [keV]	E^*_{analog} [keV]	S_{pp}	S_{dp}	E_{cm} [keV]	E^* [keV]	Ref.			
6710(20)*	3^+	10	57	1265	0.22	0.34	6641	12359(20)	66Mo06	73Ke01	93Ar09	
6950(20)*	$\langle 3^+\rangle$						6878	12597(20)		73Ke01		
7030(20)	$\langle 7^-\rangle$	$\langle 0.7\rangle$	$\langle 10\rangle$	1557	0.03	0.22	6958	12676(20)	66Mo06		93Ar09	
7170(20)	$\langle 1^+\rangle$			1701		0.24	7096	12815(20)	66Mo06		93Ar09	
7320(20)	$\langle 1^+\rangle$			1848		0.030	7245	12963(20)	66Mo06		93Ar09	
7440(20)	$\langle 1^+\rangle$			2034		0.15	7363	13082(20)	66Mo06		66Lo06	93Ar09
7560(20)*	3^+	7	35	2153	0.16	0.22	7482	13201(20)	66Mo06	73Ke01	66Lo06	93Ar09

Additional data on this isotope can be found in [79Mi08].
* For these resonances partial inelastic scattering widths are given in [73Ke01].
Spectroscopic factor S_{dp} for ^{96}Mo(d,p) reaction is from [66Mo06].

Target isotope: $^{97}_{42}$Mo $I^\pi_\circ = 5/2^+$ *Abundance:* 9.55(8) % $S_p = 6176.1(34)$ keV **$^{98}_{43}$Tc(p)**

$E_\circ$ [keV]	J^π	T	Γ_p [keV]	Γ [keV]	E^*_{analog} [keV]	E_{cm} [keV]	E^* [keV]	Ref.		
3505(10)	0^+			25(3)	0.0	3480	9656(20)	71Ki06	66Lo06	66Mo06
4284(20)	$\langle 0^+\rangle$				735	4240	10416(20)	66Lo06	66Mo06	98Si17
4330(10)	2^+			34(2)	787	4300	10476(20)	71Ki06	66Lo06	66Mo06
4981(20)	$\langle 2^+\rangle$				1432	4930	11106(20)	66Lo06	66Mo06	98Si17
5311(20)	$\langle 2^+\rangle$				1759	5257	11433(20)	66Lo06	66Mo06	98Si17
5779(20)	$\langle X^+\rangle$				$\langle 2224\rangle$	5720	11896(20)	66Lo06	66Mo06	98Si17
5880(20)	$\langle X^+\rangle$				2333	5820	11996(20)	66Lo06	66Mo06	98Si17
6102(20)	$\langle X^+\rangle$				2580	6040	12216(20)	66Lo06	66Mo06	98Si17
6213(20)	$\langle X^+\rangle$				2630	6150	12326(20)	66Lo06	66Mo06	98Si17
6322(20)	$\langle X^+\rangle$				2730	6257	12433(20)	66Lo06	66Mo06	98Si17
6506(20)						6440	12616(20)		66Mo06	98Si17
6547(20)						6480	12656(20)		66Mo06	98Si17

Additional data on this isotope can be found in [92Si21].

Target isotope: $^{98}_{42}$Mo $I^\pi_\circ = 0^+$ *Abundance:* 24.13(31) % $S_p = 6500.27(97)$ keV **$^{99}_{43}$Tc(p)**

$E_\circ$ [keV]	$2J^\pi$	Γ_p [keV]	Γ [keV]	E^*_{analog} [keV]	S_{pp}	S_{dp}	E_{cm} [keV]	E^* [keV]	Ref.	
6140(20)	$\langle 1^+\rangle$	29	68	0.0	0.56	0.64	6078	12578(20)	79Mi08	66Mo06
6320(20)	$\langle 5^+\rangle$	4	29	100	0.20	0.23	6256	12756(20)	66Mo06	66Lo06
6580(20)	$\langle 3^+\rangle$	$\langle 3\rangle$	$\langle 45\rangle$	361	0.08	0.10	6514	13014(20)	66Mo06	66Lo06
6740(20)	$\langle 7^+\rangle$	$\langle 8\rangle$	$\langle 30\rangle$	644	0.21	0.35	6672	13172(20)	66Mo06	

(continued) **$^{99}_{43}$Tc**(p)

$E_\circ$ [keV]	$2J^\pi$	Γ_p [keV]	Γ [keV]	E^*_{analog} [keV]	S_{pp}	S_{dp}	E_{cm} [keV]	E^* [keV]	Ref.	
7040(20)	$\langle 3^+ \rangle$			774		0.07	6969	13469(20)	66Mo06	
7140(20)	$\langle 3^+ \rangle$			899		0.18	7068	13568(20)	66Mo06	66Lo06

Additional data on this isotope can be found in [79Mi08, 70Ke03].
Several resonances with $E_\circ \leq 8$ MeV were found in (p,p′e) reaction [70Co01].
S_{dp} for ^{99}Mo was given in [66Mo06] for comparison.

Target isotope: $^{100}_{42}$Mo $I^\pi_\circ = 0^+$ *Abundance:* 9.63(23) % $S_p = 7441(24)$ keV **$^{101}_{43}$Tc**(p)

$E_\circ$ [keV]	$2J^\pi$	Γ_p [keV]	Γ [keV]	E^*_{analog} [keV]	S_{pp}	S_{dp}	E_{cm} [keV]	E^* [keV]	Ref.			
6620(20)	1^+	30(6)	73(14)	0.0	0.41(12)	0.42	6554	13983(27)	66Mo06	98Bl03	79Ha39	
6730(20)	$3^+,5^+$	9(2)	45(9)	57	0.24(8)	0.23	6663	14092(28)	66Mo06	66Lo06	98Bl03	79Ha39
6980(20)	$\langle 3^+,5^+ \rangle$			$\langle 320 \rangle$		0.28	6911	14340(28)	66Mo06	66Lo06	98Bl03	79Ha39
7020(20)	$\langle 3^+,5^+ \rangle$			$\langle 470 \rangle$		0.11	6950	14379(28)	66Mo06	66Lo06	98Bl03	79Ha39

Spectroscopic factor S_{dp} for the analog states of ^{101}Mo from neutron transfer reaction is given for comparison.