

$^{92}\text{Mo}(\text{p,p})$ IAR: fine structure **1976Br02,1974Bi02**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 112,1163 (2011)	15-Dec-2010

1976Br02: E=4.3 MeV to 4.4 MeV and E=5.05 MeV to 5.5 MeV, 98.5% ^{92}Mo target, energy resolution 400 eV for d-wave resonance and energy resolution 470 eV for s-wave resonance, semiconductor detectors, $\theta(\text{lab})=90^\circ, 125^\circ, 141^\circ, 165^\circ$; measured excitation functions; observed 19 and 180 fragments, respectively, of analogs of $^{93}\text{Mo}(\text{g.s.})$ and $^{93}\text{Mo}(943 \text{ level})$.

1974Bi02: E=5.13 MeV to 5.43 MeV, energy resolution 100 eV, surface-barrier detectors, excitation functions, IAR; observed 125 fragments of analog of $^{93}\text{Mo}(943 \text{ level})$.

 ^{93}Tc Levels

Γ_p : from R-matrix analyses of $\theta(E,\theta)$ (**1976Br02** and **1974Bi02**). Uncertainty from **1976Br02** (stated as 10% for large Γ_p , 10 eV for small Γ_p) is interpreted to mean the larger of 10% and 10 eV. The weighted average is given for fragments reported in both studies.

E(level) [†]	L [@]	Comments
8354.1 [‡]	2	$\Gamma_p=15 \text{ eV}$ EP(LAB)=4314.0.
8364.3 [‡]	2	$\Gamma_p=10 \text{ eV}$ EP(LAB)=4324.3.
8378.6 [‡]	2	$\Gamma_p=20 \text{ eV}$ EP(LAB)=4338.8.
8383.5 [‡]	2	$\Gamma_p=75 \text{ eV}$ EP(LAB)=4343.7.
8386.0 [‡]	2	$\Gamma_p=45 \text{ eV}$ EP(LAB)=4346.2.
8388.2 [‡]	2	$\Gamma_p=20 \text{ eV}$ EP(LAB)=4348.5.
8390.5 [‡]	2	$\Gamma_p=65 \text{ eV}$ EP(LAB)=4350.8.
8394.2 [‡]	2	$\Gamma_p=35 \text{ eV}$ EP(LAB)=4354.5.
8395.2 [‡]	2	$\Gamma_p=30 \text{ eV}$ EP(LAB)=4355.5.
8397.8 [‡]	2	$\Gamma_p=65 \text{ eV}$ EP(LAB)=4358.2.
8398.5 [‡]	2	$\Gamma_p=30 \text{ eV}$ EP(LAB)=4358.9.
8401.5 [‡]	2	$\Gamma_p=140 \text{ eV}$ EP(LAB)=4361.9.
8404.6 [‡]	2	$\Gamma_p=35 \text{ eV}$ EP(LAB)=4365.0.
8407.3 [‡]	2	$\Gamma_p=25 \text{ eV}$ EP(LAB)=4367.8.
8408.3 [‡]	2	$\Gamma_p=30 \text{ eV}$ EP(LAB)=4368.8.
8410.8 [‡]	2	$\Gamma_p=35 \text{ eV}$ EP(LAB)=4371.3.
8416.1 [‡]	2	$\Gamma_p=15 \text{ eV}$ EP(LAB)=4376.7.
8416.8 [‡]	2	$\Gamma_p=20 \text{ eV}$

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$^{92}\text{Mo}(\text{p,p})$ IAR: fine structure [1976Br02,1974Bi02](#) (continued) ^{93}Tc Levels (continued)

<u>E(level)[†]</u>	<u>L[@]</u>	<u>Comments</u>
		EP(LAB)=4377.4.
8433.0 [‡]	2	$\Gamma_p=20$ eV EP(LAB)=4393.7.
9087.1 [‡]	0	$\Gamma_p=50$ eV 10 EP(LAB)=5055.0.
9089.4 [‡]	0	$\Gamma_p=60$ eV 10 EP(LAB)=5057.3.
9091.4 [‡]	0	$\Gamma_p=15$ eV 10 EP(LAB)=5059.3.
9093.5 [‡]	0	$\Gamma_p=70$ eV 10 EP(LAB)=5061.4.
9094.6 [‡]	0	$\Gamma_p=80$ eV 10 EP(LAB)=5062.5.
9096.3 [‡]	0	$\Gamma_p=30$ eV 10 EP(LAB)=5064.3.
9098.7 [‡]	0	$\Gamma_p=240$ eV 24 EP(LAB)=5066.7.
9099.9 [‡]	0	$\Gamma_p=30$ eV 10 EP(LAB)=5067.9.
9101.8 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5069.8.
9107.3 [‡]	0	$\Gamma_p=55$ eV 10 EP(LAB)=5075.4.
9109.0 [‡]	0	$\Gamma_p=70$ eV 10 EP(LAB)=5077.1.
9111.0 [‡]	0	$\Gamma_p=80$ eV 10 EP(LAB)=5079.1.
9119.8 [‡]	0	$\Gamma_p=40$ eV 10 EP(LAB)=5088.0.
9120.6 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5088.8.
9122.0 [‡]	0	$\Gamma_p=50$ eV 10 EP(LAB)=5090.2.
9126.1 [‡]	0	$\Gamma_p=10$ eV 10 EP(LAB)=5094.4.
9132.0 [‡]	0	$\Gamma_p=15$ eV 10 EP(LAB)=5100.3.
9132.8 [‡]	0	$\Gamma_p=50$ eV 10 EP(LAB)=5101.2.
9140.0 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5108.4.
9141.8 [‡]	0	$\Gamma_p=30$ eV 10 EP(LAB)=5110.2.
9143.5 [‡]	0	$\Gamma_p=55$ eV 10 EP(LAB)=5112.0.
9145.7 [‡]	0	$\Gamma_p=45$ eV 10 EP(LAB)=5114.2.
9148.5 [‡]	0	$\Gamma_p=65$ eV 10 EP(LAB)=5117.0.
9154.1 [‡]	0	$\Gamma_p=10$ eV

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$^{92}\text{Mo}(\text{p,p})$ IAR: fine structure [1976Br02,1974Bi02](#) (continued) ^{93}Tc Levels (continued)

<u>E(level)[†]</u>	<u>L[@]</u>	<u>Comments</u>
		EP(LAB)=5122.7.
9159.6 [‡]	0	$\Gamma_p=30$ eV 10 EP(LAB)=5128.2.
9164.2 [‡]	0	$\Gamma_p=70$ eV 10 EP(LAB)=5132.9.
9167.9 [‡]	0	$\Gamma_p=40$ eV 10 EP(LAB)=5136.6.
9169.0 [‡]	0	$\Gamma_p=15$ eV 10 EP(LAB)=5137.7.
9171.1	0	$\Gamma_p=105$ eV 7 EP(LAB)=5139.9.
9172.6	0	$\Gamma_p=50$ eV 10 EP(LAB)=5141.4.
9173.5	0	$\Gamma_p=108$ eV 10 EP(LAB)=5142.3.
9175.0 [‡]	0	$\Gamma_p=10$ eV 10 EP(LAB)=5143.8.
9177.8	0	$\Gamma_p=90$ eV 10 EP(LAB)=5146.6.
9178.9	0	$\Gamma_p=35$ eV 7 EP(LAB)=5147.8.
9181.3	0	$\Gamma_p=205$ eV 14 EP(LAB)=5150.2.
9183.7	0	$\Gamma_p=35$ eV 7 EP(LAB)=5152.6.
9186.5	0	$\Gamma_p=117$ eV 22 EP(LAB)=5155.4.
9188.2	0	$\Gamma_p=47$ eV 7 EP(LAB)=5157.2.
9191.2	0	$\Gamma_p=42$ eV 7 EP(LAB)=5160.2.
9192.1 [‡]	0	$\Gamma_p=45$ eV 10 EP(LAB)=5161.1.
9193.2	0	$\Gamma_p=6$ eV 3 EP(LAB)=5162.2.
9195.0	0	$\Gamma_p=23$ eV 4 EP(LAB)=5164.0.
9197.0	0	$\Gamma_p=24$ eV 9 EP(LAB)=5166.0.
9198.0	0	$\Gamma_p=57$ eV 7 EP(LAB)=5167.1.
9199.3	0	$\Gamma_p=150$ eV 12 EP(LAB)=5168.4.
9201.1	0	$\Gamma_p=156$ eV 12 EP(LAB)=5170.2.
9203.7 [‡]	0	$\Gamma_p=160$ eV 16 EP(LAB)=5172.8.
9207.0 [#]	0	$\Gamma_p=51$ eV 10 EP(LAB)=5176.2.
9208.6 [‡]	0	$\Gamma_p=80$ eV 10 EP(LAB)=5177.8.
9209.1 [#]	0	$\Gamma_p=10$ eV 5 EP(LAB)=5178.3.

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$^{92}\text{Mo}(\text{p,p})$ IAR: fine structure [1976Br02,1974Bi02](#) (continued) ^{93}Tc Levels (continued)

<u>E(level)[†]</u>	<u>L[@]</u>	<u>Comments</u>
9220.8	0	$\Gamma_p=20$ eV 4 EP(LAB)=5190.1.
9225.6	0	$\Gamma_p=70$ eV 7 EP(LAB)=5195.0.
9227.0	0	$\Gamma_p=95$ eV 7 EP(LAB)=5196.4.
9227.3 [#]	0	$\Gamma_p=10$ eV 5 EP(LAB)=5196.7.
9228.9	0	$\Gamma_p=12$ eV 4 EP(LAB)=5198.3.
9229.1	0	$\Gamma_p=40$ eV 7 EP(LAB)=5198.5.
9229.5	0	$\Gamma_p=25$ eV 7 EP(LAB)=5198.9.
9230.7 [#]	0	$\Gamma_p=10$ eV 5 EP(LAB)=5200.2.
9232.4	0	$\Gamma_p=103$ eV 7 EP(LAB)=5201.8.
9233.3	0	$\Gamma_p=20$ eV 4 EP(LAB)=5202.7.
9234.5 [‡]	0	$\Gamma_p=30$ eV 10 EP(LAB)=5204.0.
9236.0	0	$\Gamma_p=12$ eV 4 EP(LAB)=5205.5.
9236.9	0	$\Gamma_p=18$ eV 8 EP(LAB)=5206.4.
9237.7 [‡]	0	$\Gamma_p=70$ eV 10 EP(LAB)=5207.2.
9238.3 [#]	0	$\Gamma_p=10$ eV 5 EP(LAB)=5207.8.
9239.4	0	$\Gamma_p=37$ eV 7 EP(LAB)=5208.9.
9240.0	0	$\Gamma_p=108$ eV 10 EP(LAB)=5209.5.
9242.7 [‡]	0	$\Gamma_p=15$ eV 10 EP(LAB)=5212.2.
9244.9	0	$\Gamma_p=105$ eV 19 EP(LAB)=5214.5.
9246.4 [‡]	0	$\Gamma_p=30$ eV 10 EP(LAB)=5216.0.
9247.5	0	$\Gamma_p=40$ eV 10 EP(LAB)=5217.1.
9248.5	0	$\Gamma_p=40$ eV 10 EP(LAB)=5218.1.
9248.8 [‡]	0	$\Gamma_p=80$ eV 10 EP(LAB)=5218.4.
9249.6	0	$\Gamma_p=20$ eV 4 EP(LAB)=5219.2.
9251.9	0	$\Gamma_p=65$ eV 7 EP(LAB)=5221.5.
9253.3	0	$\Gamma_p=20$ eV 4 EP(LAB)=5223.0.
9256.3	0	$\Gamma_p=133$ eV 26 EP(LAB)=5226.0.

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$^{92}\text{Mo}(\text{p,p})$ IAR: fine structure [1976Br02,1974Bi02](#) (continued) ^{93}Tc Levels (continued)

E(level) [†]	L [@]	Comments
9257.8	0	$\Gamma_p=223$ eV 16 EP(LAB)=5227.5.
9259.4	0	$\Gamma_p=27$ eV 7 EP(LAB)=5229.1.
9261.7	0	$\Gamma_p=75$ eV 7 EP(LAB)=5231.5.
9263.5	0	$\Gamma_p=15$ eV 4 EP(LAB)=5233.3.
9265.2	0	$\Gamma_p=79$ eV 7 EP(LAB)=5235.0.
9266.1	0	$\Gamma_p=283$ eV 20 EP(LAB)=5235.9.
9266.6	0	$\Gamma_p=156$ eV 11 EP(LAB)=5236.4.
9268.0	0	$\Gamma_p=28$ eV 7 EP(LAB)=5237.8.
9270.2	0	$\Gamma_p=10$ eV 4 EP(LAB)=5240.0.
9271.2	0	$\Gamma_p=129$ eV 21 EP(LAB)=5241.1.
9273.7	0	$\Gamma_p=246$ eV 17 EP(LAB)=5243.6.
9274.0 [#]	0	$\Gamma_p=50$ eV 10 EP(LAB)=5243.9.
9275.2	0	$\Gamma_p=45$ eV 7 EP(LAB)=5245.1.
9280.4	0	$\Gamma_p=31$ eV 7 EP(LAB)=5250.4.
9283.2	0	$\Gamma_p=351$ eV 25 EP(LAB)=5253.2.
9287.5 [‡]	0	$\Gamma_p=320$ eV 32 EP(LAB)=5257.5.
9288.3	0	$\Gamma_p=180$ eV 58 EP(LAB)=5258.3.
9290.9	0	$\Gamma_p=356$ eV 25 EP(LAB)=5261.0.
9295.0	0	$\Gamma_p=78$ keV 13 EP(LAB)=5265.2.
9297.3 ^{&}	0	$\Gamma_p=35$ eV 10 EP(LAB)=5267.4.
9298.6 ^a	0	$\Gamma_p=30$ eV 10 EP(LAB)=5268.8.
9300.1	0	$\Gamma_p=267$ eV 19 EP(LAB)=5270.3.
9303.0	0	$\Gamma_p=36$ eV 7 EP(LAB)=5273.2.
9304.1	0	$\Gamma_p=45$ eV 16 EP(LAB)=5274.3.
9305.6	0	$\Gamma_p=36$ eV 7 EP(LAB)=5275.8.
9309.5	0	$\Gamma_p=356$ eV 31 EP(LAB)=5279.8.
9312.1	0	$\Gamma_p=235$ eV 17 EP(LAB)=5282.4.
9313.0	0	$\Gamma_p=212$ keV 15

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$^{92}\text{Mo}(\text{p,p})$ IAR: fine structure [1976Br02,1974Bi02](#) (continued) ^{93}Tc Levels (continued)

<u>E(level)[†]</u>	<u>L[@]</u>	<u>Comments</u>
9316.9	0	EP(LAB)=5283.2. $\Gamma_p=132$ eV <i>14</i>
9317.5	0	EP(LAB)=5287.3. $\Gamma_p=250$ eV <i>18</i>
9319.2	0	EP(LAB)=5287.9. $\Gamma_p=0.59$ keV <i>5</i>
9321.3	0	EP(LAB)=5289.6. $\Gamma_p=31$ eV <i>7</i>
9323.8	0	EP(LAB)=5291.7. $\Gamma_p=191$ eV <i>25</i>
9325.1	0	EP(LAB)=5294.2. $\Gamma_p=2.25$ keV <i>16</i>
9326.5 ^b	0	EP(LAB)=5295.5. $\Gamma_p=100$ eV <i>10</i>
9329.0	0	EP(LAB)=5297.0. $\Gamma_p=473$ eV <i>33</i>
9329.9	0	EP(LAB)=5299.5. $\Gamma_p=1.70$ keV <i>12</i>
9331.5	0	EP(LAB)=5300.4. $\Gamma_p=104$ eV <i>17</i>
9333.4 [‡]	0	EP(LAB)=5302.0. $\Gamma_p=20$ eV <i>10</i>
9336.1	0	EP(LAB)=5303.9. $\Gamma_p=0.84$ keV <i>6</i>
9336.5	0	EP(LAB)=5306.7. $\Gamma_p=132$ eV <i>15</i>
9338.2 [‡]	0	EP(LAB)=5307.1. $\Gamma_p=100$ eV <i>10</i>
9339.4	0	EP(LAB)=5308.8. $\Gamma_p=84$ eV <i>9</i>
9340.5	0	EP(LAB)=5310.0. $\Gamma_p=128$ eV <i>13</i>
9341.4	0	EP(LAB)=5311.3. $\Gamma_p=136$ eV <i>11</i>
9343.1	0	EP(LAB)=5312.0. $\Gamma_p=85$ eV <i>8</i>
9343.9	0	EP(LAB)=5313.7. $\Gamma_p=209$ eV <i>15</i>
9344.8	0	EP(LAB)=5314.5. $\Gamma_p=344$ eV <i>44</i>
9346.5	0	EP(LAB)=5315.5. $\Gamma_p=40$ eV <i>7</i>
9347.8	0	EP(LAB)=5317.2. $\Gamma_p=83$ eV <i>18</i>
9348.9 [‡]	0	EP(LAB)=5318.2. $\Gamma_p=40$ eV <i>10</i>
9350.3 [#]	0	EP(LAB)=5319.6. $\Gamma_p=10$ eV <i>5</i>
9351.7 [‡]	0	EP(LAB)=5321.0. $\Gamma_p=20$ eV <i>10</i>
9353.4	0	EP(LAB)=5322.4. $\Gamma_p=33$ eV <i>8</i>
9355.4	0	EP(LAB)=5324.1. $\Gamma_p=260$ eV <i>18</i>

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$^{92}\text{Mo}(\text{p,p})$ IAR: fine structure [1976Br02,1974Bi02](#) (continued) ^{93}Tc Levels (continued)

<u>E(level)[†]</u>	<u>L[@]</u>	<u>Comments</u>
9358.6	0	EP(LAB)=5326.2. $\Gamma_p=81$ eV 9 EP(LAB)=5329.4.
9360.3 [#]	0	$\Gamma_p=10$ eV 5 EP(LAB)=5331.2.
9361.1	0	$\Gamma_p=50$ eV 10 EP(LAB)=5331.9.
9362.1 [#]	0	$\Gamma_p=30$ eV 10 EP(LAB)=5332.9.
9370.3	0	$\Gamma_p=30$ eV 7 EP(LAB)=5341.2.
9372.3 [#]	0	$\Gamma_p=17$ eV 5 EP(LAB)=5343.3.
9373.2	0	$\Gamma_p=21$ eV 4 EP(LAB)=5344.2.
9374.7	0	$\Gamma_p=25$ eV 7 EP(LAB)=5345.7.
9376.2 [‡]	0	$\Gamma_p=25$ eV 10 EP(LAB)=5347.2.
9377.7	0	$\Gamma_p=43$ eV 7 EP(LAB)=5348.7.
9381.3 [‡]	0	$\Gamma_p=25$ eV 10 EP(LAB)=5352.4.
9384.7	0	$\Gamma_p=23$ eV 8 EP(LAB)=5355.8.
9386.6	0	$\Gamma_p=19$ eV 4 EP(LAB)=5357.7.
9388.3	0	$\Gamma_p=28$ eV 7 EP(LAB)=5359.2.
9390.3	0	$\Gamma_p=25$ eV 7 EP(LAB)=5361.4.
9392.9 [‡]	0	$\Gamma_p=10$ eV 10 EP(LAB)=5364.1.
9394.0 [‡]	0	$\Gamma_p=15$ eV 10 EP(LAB)=5365.2.
9395.9 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5367.1.
9397.0 [‡]	0	$\Gamma_p=15$ eV 10 EP(LAB)=5368.2.
9399.5	0	$\Gamma_p=19$ eV 4 EP(LAB)=5370.8.
9401.0	0	$\Gamma_p=19$ eV 4 EP(LAB)=5372.3.
9402.5 [‡]	0	$\Gamma_p=25$ eV 10 EP(LAB)=5373.8.
9403.7	0	$\Gamma_p=19$ eV 4 EP(LAB)=5375.0.
9405.5 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5376.8.
9407.0 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5378.3.
9410.3	0	$\Gamma_p=19$ eV 4 EP(LAB)=5381.7.

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$^{92}\text{Mo}(\text{p,p})$ IAR: fine structure [1976Br02,1974Bi02](#) (continued) ^{93}Tc Levels (continued)

E(level) [†]	L [@]	Comments
9412.2 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5383.6.
9417.2 [#]	0	$\Gamma_p=20$ eV 5 EP(LAB)=5388.6.
9418.1 [‡]	0	$\Gamma_p=50$ eV 10 EP(LAB)=5389.6.
9420.2 [#]	0	$\Gamma_p=25$ eV 10 EP(LAB)=5391.7.
9421.9 [‡]	0	$\Gamma_p=25$ eV 10 EP(LAB)=5393.4.
9428.2 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5399.8.
9433.9	0	$\Gamma_p=33$ eV 7 EP(LAB)=5405.5.
9435.3 [#]	0	$\Gamma_p=30$ eV 10 EP(LAB)=5406.9.
9436.8 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5408.5.
9438.2 [#]	0	$\Gamma_p=30$ eV 10 EP(LAB)=5409.9.
9439.1 [#]	0	$\Gamma_p=31$ eV 10 EP(LAB)=5410.8.
9440.8 [#]	0	$\Gamma_p=19$ eV 5 EP(LAB)=5412.5.
9442.1 [#]	0	$\Gamma_p=12$ eV 5 EP(LAB)=5413.8.
9444.7 [#]	0	$\Gamma_p=15$ eV 5 EP(LAB)=5416.4.
9446.1 [‡]	0	$\Gamma_p=25$ eV 10 EP(LAB)=5417.9.
9447.6	0	$\Gamma_p=28$ eV 7 EP(LAB)=5419.4.
9449.2 [#]	0	$\Gamma_p=40$ eV 10 EP(LAB)=5421.0.
9452.2	0	$\Gamma_p=22$ eV 4 EP(LAB)=5424.0.
9453.9 [#]	0	$\Gamma_p=20$ eV 5 EP(LAB)=5425.7.
9456.2	0	$\Gamma_p=38$ eV 7 EP(LAB)=5428.1.
9457.2 [#]	0	$\Gamma_p=34$ eV 10 EP(LAB)=5429.1.
9459.1 [#]	0	$\Gamma_p=29$ eV 10 EP(LAB)=5431.0.
9463.0	0	$\Gamma_p=40$ eV 10 EP(LAB)=5434.9.
9472.8 [‡]	0	$\Gamma_p=20$ eV 10 EP(LAB)=5444.8.
9473.4 [‡]	0	$\Gamma_p=25$ eV 10 EP(LAB)=5445.5.
9475.3 [‡]	0	$\Gamma_p=20$ eV 10

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$^{92}\text{Mo}(\text{p,p})$ IAR: fine structure [1976Br02](#),[1974Bi02](#) (continued) ^{93}Tc Levels (continued)

E(level) [†]	L [@]	Comments
		EP(LAB)=5447.4.
9477.9 [‡]	0	$\Gamma_p=15$ eV <i>10</i> EP(LAB)=5450.1.
9481.4 [‡]	0	$\Gamma_p=20$ eV <i>10</i> EP(LAB)=5453.5.
9485.8 [‡]	0	$\Gamma_p=25$ eV <i>10</i> EP(LAB)=5458.0.
9487.3 [‡]	0	$\Gamma_p=30$ eV <i>10</i> EP(LAB)=5459.5.
9490.4 [‡]	0	$\Gamma_p=60$ eV <i>10</i> EP(LAB)=5462.6.
9491.4 [‡]	0	$\Gamma_p=30$ eV <i>10</i> EP(LAB)=5463.7.
9494.1 [‡]	0	$\Gamma_p=30$ eV <i>10</i> EP(LAB)=5466.4.
9495.9 [‡]	0	$\Gamma_p=20$ eV <i>10</i> EP(LAB)=5468.2.
9498.6 [‡]	0	$\Gamma_p=50$ eV <i>10</i> EP(LAB)=5470.9.
9504.6 [‡]	0	$\Gamma_p=30$ eV <i>10</i> EP(LAB)=5477.0.
9508.0 [‡]	0	$\Gamma_p=20$ eV <i>10</i> EP(LAB)=5480.4.
9513.6 [‡]	0	$\Gamma_p=30$ eV <i>10</i> EP(LAB)=5486.1.
9515.5 [‡]	0	$\Gamma_p=20$ eV <i>10</i> EP(LAB)=5488.0.
9520.3 [‡]	0	$\Gamma_p=50$ eV <i>10</i> EP(LAB)=5492.9.
9521.5 [‡]	0	$\Gamma_p=15$ eV <i>10</i> EP(LAB)=5494.1.
9525.3 [‡]	0	$\Gamma_p=30$ eV <i>10</i> EP(LAB)=5497.9.
9529.0 [‡]	0	$\Gamma_p=15$ eV <i>10</i> EP(LAB)=5501.7.
9532.4 [‡]	0	$\Gamma_p=40$ eV <i>10</i> EP(LAB)=5505.1.

[†] Calculated from $S(p)=4086.5$ *10* ([2003Au03](#)) and $E(p)$ from [1976Br02](#). Note that $E(p)(\text{lab})$ from [1974Bi02](#) is consistently 6.8 keV lower than that from [1976Br02](#).

[‡] From [1976Br02](#) only.

[#] E based on $E(p)$ from [1974Bi02](#) which has been increased by 6.8 keV (to achieve consistency with energy scale of [1976Br02](#)).
Level absent in [1976Br02](#).

[@] From resonance shape ([1976Br02](#)).

[&] Γ_p from [1974Bi02](#). Other: 80 eV *10* ([1976Br02](#)).

^a Γ_p from [1974Bi02](#). Other: 70 eV *10* ([1976Br02](#)).

^b Γ_p from [1976Br02](#). Other: 265 eV *27* ([1974Bi02](#)).