## $^{100}$Ru(p,p),(p,n) IAR     1969Fr18

### History

| Type | Author | Citation | Literature Cutoff Date |
|---|---|---|---|
| Full Evaluation | Jean Blachot | ENSDF | 1-Jul-2006 |

IAS studied via (p,n) and proton elastic scattering excit; E(p)=5.8− 6.6 MeV; semi, pc.
Coulomb displacement energy=12620 *12* (1969Fr18) if Q(d,p)=4580 *6*.

### $^{101}$Rh Levels

| E(level)[†] | L | Comments |
|---|---|---|
| S(p)+5880 *10* | 2 | Analog of $^{101}$Ru g.s., $J^{\pi}$=5/2$^+$. |
|  |  | $\Gamma$(p)= 2.5 keV *8*, $\Gamma$= 30 keV *4*. |
| S(p)+6180 *10* |  | Possible analog of $^{101}$Ru E(levels)=311+307. |
| S(p)+6190 *10* | 0 | Analog of $^{101}$Ru 325-keV L=0 (d,p) excitation (1977Ho02). |
|  |  | $\Gamma$(p)= 13 keV *3*, $\Gamma$= 55 keV *10*. |
| S(p)+6425 *10* | (2) | Possible analog of $^{101}$Ru 535-keV L=2 (d,p) excitation: 1977Ho02. |
| S(p)+6520 *10* |  |  |

[†] From S(p)= 5478 *17* (2003Au03) + res E(p)(c.m.).