## $^{64}$Ni($^{12}$C,$^{10}$Be), $^{64}$Zn($^{12}$C,$^{10}$C) 1990Bo27

History

| Type | Author | Citation | Literature Cutoff Date |
|---|---|---|---|
| Full Evaluation | E. Browne, J. K. Tuli | NDS 111, 1093 (2010) | 3-Mar-2009 |

E($^{12}$C)=112 MeV, FWHM=100-200 keV; measured $\sigma(\theta)$, DWBA analysis; these authors also make $J^{\pi}$ assignments based on systematic trends and crude shell-model calculations.
Additional information 1.

### $^{66}$Zn Levels

Configuration: configurations used in the DWBA analysis of data.

| E(level) | Comments |
|---|---|
| 0 | |
| 1040 *50* | |
| 1890 *50* | |
| 2470 *50* | |
| 2840 *50* | |
| 3060 *50* | Configuration=($\pi$ $f_{5/2}4^+$) |
| 3740 *50* | Configuration=(($\pi$ $p_{3/2}$)($\pi$ $g_{9/2}$))$5^-$ |
| 4200 *50* | |
| 4800 *50* | |
| 5200 *50* | Configuration=($\nu$ $g_{9/2}8^+$) |
| 5400 *50* | |
| 5600 *50* | |
| 6000 *50* | |
| 6850 *50* | Configuration=($\pi$ $g_{9/2}8^+$) |
| 7550 *50* | Configuration=(($\pi$ $g_{9/2}$)($\pi$ $d_{5/2}$))$6^+$ |