^{84}Kr(pol d,^{3}He) 1986Pf01

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 125, 201 (2015)	31-Dec-2014

E(pol d)=51 MeV. Measured $\sigma(\theta)$ and analyzing power, $iT_{11}(\theta)$ using six Si surface barrier telescopes (FWHM=220 keV); DWBA analysis with DWUCK IV.

The following broad, unresolved multiplets were also observed 2500-3200 (C^2S=0.46); 3200-3800 (C^2S=0.48); 3800-4300 (C^2S=0.89); 4300-5300 (C^2S=2.11); 5300-6700 (C^2S=1.67); 6700-9400 (C^2S=2.39). These are all attributed to pick-up from a highly fragmented $1f_{7/2}$ shell.

^{83}Br Levels

E(level)	J^π	L	C^2S	Comments
0.0	$3/2^-$ †	1	1.32	
357	$5/2^-$ †	3	1.75	
1040				E(level): multiplet with L=1+3. $C^2S(J=3/2)$=0.77; $C^2S(J=5/2)$=2.36.
1700	$(1/2^-,3/2^-)$ ‡	(1)		$C^2S(J=1/2)$=0.20; $C^2S(J=3/2)$=0.15.
2240	$(1/2^-,3/2^-)$ ‡	(1)		$C^2S(J=1/2)$=0.31; $C^2S(J=3/2)$=0.23.

† From L value and analyzing power.
‡ From L value.