^{144}Nd(p,p′): E=35 MeV 1991Co01

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni	NDS 93, 599 (2001)	1-Dec-2000

Includes earlier report (1990Co20). E_p=35 MeV. Measured $\sigma(\theta)$, deduced level J, π and β_L parameter. Magnetic spectrograph, Resolution=20 keV.
See ^{144}Nd(p,p′),(d,d′) dataset for additional (p,p′) measurements.

^{144}Nd Levels

E(level)	J^{π}[†]	β_L	Comments
0	0^+		
697	2^+	0.130 *3*	EWSR(%)=7.7.
1311 *25*	4^+	0.09 *1*	EWSR(%)=1.9.
1517 *25*	3^-	0.126 *3*	EWSR(%)=7.5.
2066 *25*	2^+	0.027 *3*	EWSR(%)=1.0.
2091 *25*	5^-	0.07 *1*	EWSR(%)=1.2.
2107 *25*	2^+	0.032 *3*	EWSR(%)=1.4.
2347 *25*	2^+	0.028 *3*	EWSR(%)=1.2.
2490 *25*	2^+	0.030 *3*	EWSR(%)=1.5.
2719 *25*	3^-	0.065 *3*	EWSR(%)=3.6.
2771 *25*	4^+	0.033 *3*	EWSR(%)=0.6.
2893 *25*	4^+	0.030 *3*	EWSR(%)=0.5.
2909 *25*	2^+	0.021 *3*	EWSR(%)=0.9.
2954 *25*			

[†] As given by authors based on $\sigma(\theta)$ following coupled-channel calculations.