

**Coulomb excitation    2007Kr19**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 154, 1 (2018)	20-Nov-2018

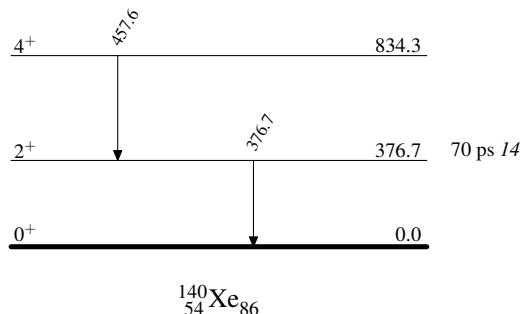
**Additional information 1.**Beam= $^{140}\text{Xe}$ , target= $^{96}\text{Mo}$ .E=2.84 MeV/nucleon beam provided by LINAC accelerator at REX-ISOLDE facility at CERN. Measured  $E\gamma$ 's using MINIBALL array of eight segmented HPGe detectors. Kinematics determined with double-sided silicon strip detector. $^{140}\text{Xe}$  Levels

E(level)	J <sup>π</sup>	T <sub>1/2</sub>	Comments
0.0	0 <sup>+</sup>		
376.7	2 <sup>+</sup>	70 ps 14	B(E2)↑=0.52 10 (2007Kr19) Results for B(E2)↑ are preliminary as stated by 2007Kr19. T <sub>1/2</sub> : from B(E2)↑ value.
834.3	4 <sup>+</sup>		

 $\gamma(^{140}\text{Xe})$ 

E <sub>γ</sub>	E <sub>i</sub> (level)	J <sub>i</sub> <sup>π</sup>	E <sub>f</sub>	J <sub>f</sub> <sup>π</sup>	$\alpha^{\dagger}$
376.7	376.7	2 <sup>+</sup>	0.0	0 <sup>+</sup>	0.0205
457.6	834.3	4 <sup>+</sup>	376.7	2 <sup>+</sup>	

† Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on  $\gamma$ -ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

**Coulomb excitation    2007Kr19**Level Scheme $^{140}_{54}\text{Xe}_{86}$