^{135}Pr - Wobbling Energies

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Here we give the numerical values of the excitation energies for ^{135}Pr, as evaluated in **J. Phys. G: Nucl. Part. Phys. 48 (2021) 015106**. In Figures (11), (12), and (13) from this paper, we provided the so-called *excitation energies*, which were relative to the ground state $I = 11/2^-$ from the yrast band (i.e., we subtracted this energy from all other states).

However, the calculations would be also valid for the *absolute energies*, thus making the $E_{11/2}$ term from Eq. (7.1) to vanish. It is just a matter of choice.

If the absolute energies would be considered, their numerical values are provided in the Table 1 shown below.

Yrast band			TW1			TW2		
Spin [$\hbar$]	Energy-Exp [MeV]	Energy-Th [MeV]	Spin [$\hbar$]	Energy-Exp [MeV]	Energy-Th [MeV]	Spin [$\hbar$]	Energy-Exp [MeV]	Energy-Th [MeV]
15/2	0.731	1.006	17/2	1.105	1.346	19/2	1.555	1.745
19/2	1.391	1.697	21/2	1.831	2.06	23/2	2.382	2.517
23/2	2.245	2.433	25/2	2.627	2.818	27/2	3.146	3.334
27/2	3.245	3.213	29/2	3.583	3.619	31/2	4.154	4.194
31/2	4.32	4.037	33/2	4.694	4.465			
35/2	5.164	4.905						
39/2	5.998	5.816						
43/2	6.88	6.772						
47/2	7.803	7.772						
51/2	8.76	8.816						
55/2	9.765	9.903						

Table 1: The numerical values of the absolute excitation energies within the calculations for ^{135}Pr.