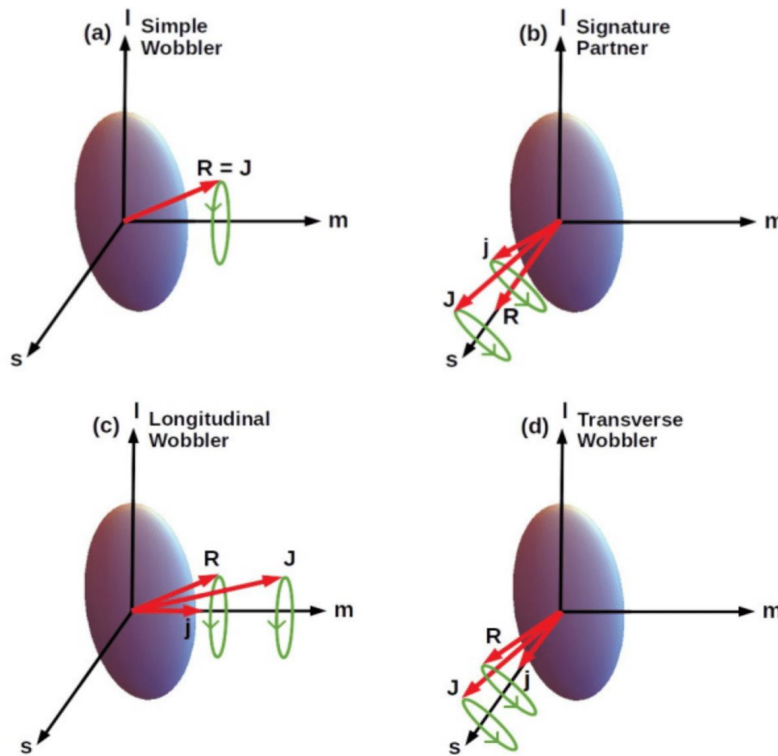


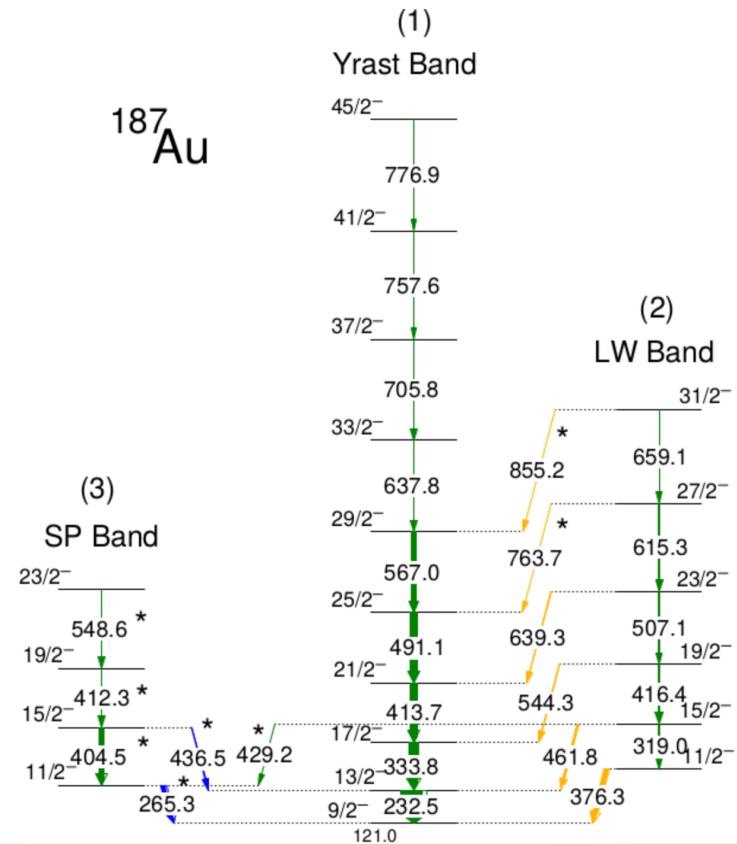
Longitudinal Wobbling Motion in ^{187}Au



The observation of longitudinal wobbling motion in ^{187}Au has confirmed the predictions made for its existence in odd-A nuclei by Frauendorf and Dönau in [1]. ^{187}Au is the first example of a Longitudinal Wobbler (LW), clearly distinguished from the associated Signature Partner (SP) Band.



[1] S. Frauendorf and F. Dönau Phys. Rev. C 89, 014322 (2014)



N. Sensharma et al., Phys. Rev. Lett. 124, 052501 (2020)
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