
Morpho-kinematic transformations in an interacting local galaxy in the light of MaNGA

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Abstract

Through the analysis of the 3D-spectroscopic MaNGA data from a double-peak emission line galaxy, we highlight the detection of two components along the line-of-sight. We identify these spectral features as the signature of a recent hidden merging process despite the lack of a conspicuous galaxy-pair. We explore the structure and kinematics of both components in the gas and the stars to reveal the mechanisms taking place in the system. I will present our analysis and the perspectives to apply our procedure on a whole MaNGA/DP galaxies sample.

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