High resolution spectroscopy of NGC 7009

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The typical expansion velocity of a planetary nebula is about 20 km s⁻¹. Thus the frequently-used lowresolution spectroscopy does not resolve the dynamics of the nebula and the obtained information is scrambled along the line of sight. In this poster we present UVES spectra obtained along the major axis of NGC 7009. The object is resolved both on the sky and along the line of sight. We present analysis of the physical condition of the gas inside the nebula and its relation to the abundance discrepancy factor.



References: Liu, X.-W. 2006, IAU Symp 234, 219 Peimbert, M. & Peimbert, A. 2006, IAU Symp 234, 227

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