

# Characterising the spectral energy distribution of OJ287 and its kpc jet knots from the X-rays to the GHz and MHz radio bands

The blazar OJ287<sup>1</sup>, located at  $z = 0.306$  is a very unusual object, as it is suspected of hosting a binary black hole system which powers a relativistic blazar jet. New LOFAR observations of this source, reduced including its international baselines, have allowed us to match the resolution of instruments such as the VLA and Chandra, thereby resolving the knots in the kpc jet of OJ287. We study the Spectral Energy Distribution (SED) along the jet using both radio bands (144 MHz, 1.4 GHz) and the X-ray band (Chandra), and study a possible helicity in the kpc jet of this peculiar source.

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<sup>1</sup>Also known as PKS 0851+202, S3 0851+20, B2 0852+20, PG 0851+202 in literature, and as 1ES 0851+203, RX J0854.8+2006, 3EG J0853+1941, 3FGL J0854.8+2006 in high-energy bands.