

ENIGMATIC EMISSION STRUCTURE AROUND THE NARROW-LINE SEYFERT 1 GALAXY MRK 783

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Mrk 783 is a narrow-line Seyfert 1 galaxy that possesses a relatively large two-sided radio emission extending up to 14 kpc from the active nucleus. The ionized gas emission spatially coinciding with the radio structure was recently detected. In this poster we present the tunable filter mapping of the Mrk783 at the 2.5-m telescope of the Moscow State University. The image in the [O III] emission line reveals knots and filaments of the ionized gas possibly related not only to the radio structure, but also to tidal features illuminated by the active nucleus radiation. The [O III] filaments are observed up to projected distance 45 kpc from the nucleus. Using the spectroscopic observations at the Russian 6-m telescope we analyse the ionisation properties throughout the discovered gaseous structures and discuss their nature.