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Invited Lecture

OPTICAL SPECTROSCOPY OF THE CHANGING LOOK AGN HE1136-2304

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HE1136-2304 has been identified as a Seyfert 1.95 type based on an optical spectrum taken in the year 1993. This was in accordance with a very low X-ray flux found by ROSAT in 1990. However XMM detected an increased X-ray flux by a factor of about 30 in 2014. A subsequent spectrum taken in the optical showed that the Seyfert type of this galaxy has changed to Seyfert 1.5 in July 2014. A follow up variability campaign in the optical - carried out for the years 2014 and 2015 - demonstrated a normal broad line region in this Seyfert galaxy with a H β radius of about 10 light days.