

Science highlights from the ESO VLT Multi-Unit-Spectroscopic Explorer MUSE with AO: better, sharper and deeper. (No 1718)

📅 24.06.2019 ⌚ 12:00 - 12:30 📍 Amphi A 🗨️ Plenary talk 🔗 Plenary 2

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¹ CRAL

The ESO 2nd generation MUSE instrument is now in regular operation at the VLT since 2014. It has already demonstrated transformational capabilities in many astrophysics areas.

It has recently been coupled with the ESO Adaptive Optics Facility (AOF) and thanks to this major upgrade MUSE is now capable of diffraction limited integral field spectroscopy over a small field of view as well as improved and stable spatial resolution over its wide field of view. This is opening a wide range of scientific applications: from the discovery of exoplanets to the study of the distant universe. In this talk I will present a few recent and major discoveries obtained with this unique instrument.