

Exploring the distant Universe with AO at the focus of cosmic telescopes

Wednesday 19 February 2020 09:00 (25 minutes)

Gravitational lensing is allowing us to access physical scales and luminosities in the distant Universe with unprecedented accuracy, offering the opportunity to infer key physical quantities otherwise unaccessible without AO. While such scientific programs are somehow propaedeutic, AO technology coupled with cosmic telescopes will project astronomers into a new territory. I'll present what we are learning from the current studies on lensed and super-lensed fields, focusing on the exploration of the farthest and faintest galaxies, down to the parsec scale, eventually catching the still elusive formation of globular clusters, potential agents of cosmic reionization.

Author: Dr VANZELLA, Eros (INAF - OAS)

Presenter: Dr VANZELLA, Eros (INAF - OAS)

Session Classification: Extragalattico pt.2