The 32nd Texas Symposium on Relativistic Astrophysics



Contribution ID: 242

Type: Invited/Solicited talk in mini-symposium

The EHT tale of two black hole images: recent results and future prospects

Wednesday, 13 December 2023 13:40 (25 minutes)

Imaging nearby supermassive black holes provides a new astrophysical laboratory, allowing us to test general relativity in the extremely strong gravitational field around black holes and to study physical processes such as mass accretion and jet formation. (Sub)millimeter Very Long Baseline Interferometry (VLBI) observations can achieve the highest spatial resolution in current astronomical observations. In recent years, global (sub)millimeter VLBI, represented by the Event Horizon Telescope (EHT), has made unprecedented progress in black hole imaging and has captured the first images of two nearby supermassive black holes. In this talk, I will present recent results obtained with the EHT and discuss future prospects.

Primary author: LU, Rusen (Shanghai Astronomical Observatory, CAS)

Presenter: LU, Rusen (Shanghai Astronomical Observatory, CAS)

Session Classification: Accretion Processes