



Contribution ID: 1502

Type: **Invited Talk**

Jet launching and energy extraction from black holes and neutron stars

Monday 21 July 2025 09:00 (45 minutes)

Relativistic jets play a fundamental role in the phenomenology of black holes and neutron star mergers. I will review briefly the progress made within the EHT collaboration in modelling jet emission from accreting supermassive black holes and their multiwavelength emission. I will also discuss about jet launching from binary neutron star mergers either from a magnetised remnant or from a black-hole torus system. Finally, I will illustrate recent work in the study of the role that reconnection plays in the extraction of energy via fundamental phenomena such as the Penrose and the Blandford-Znajek processes.

Collaboration(s)

EHT

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Session Classification: Plenary session

Track Classification: Plenary