



Contribution ID: 571

Type: **Plenary talk**

Updates on pulsar discoveries and timing with MeerKAT

Monday, 8 July 2024 12:00 (30 minutes)

Pulsar observations have been an important target for MeerKAT having two Large Survey Projects (MeerTIME and TRAPUM) dedicated to them. This has led to the discovery of more than 200 new pulsars within globular clusters, unidentified Fermi sources, the Magellanic clouds and the Galactic disk. These discoveries have pushed the boundaries of our knowledge of the pulsar properties. Furthermore, the timing of the known pulsars has led to numerous measurements of neutron star masses, further tests of General Relativity, large population studies of pulsars, important results on the properties of globular clusters and exciting results on the timing of pulsar for the search of low-frequency gravitational waves.

Presenter: ABBATE, Federico (INAF - Osservatorio Astronomico di Cagliari)

Session Classification: Monday plenary session