



Contribution ID: 75

Type: Plenary/Parallel talk

## A new dark sector solution to the EDGES anomaly

We propose a new solution to explain the anomalous absorption feature detected by the EDGES collaboration in the 50-100 MHz range, using a new millicharged dark matter model, taking into account the existing cosmological and astrophysical constraints. We predict new unique signals to test our dark matter model with future cosmological surveys.

**Authors:** GANGULY, Anoma (TIFR Mumbai); KHATRI, Rishi (Tata Institute of Fundamental Research); ROY, Tuhin (Tata Institute of Fundamental Research)

**Presenter:** GANGULY, Anoma (TIFR Mumbai)

**Session Classification:** Poster session