

## Dileptons at low energies

*Monday 7 August 2017 16:30 (30 minutes)*

An excess of dileptons has been observed from the top RHIC energies of  $\sqrt{s_{NN}}=200$  GeV down to the lowest SPS energies of  $\sqrt{s_{NN}}=9$  GeV. The RHIC beam energy scan and the new facilities under construction NICA and FAIR will allow to push the measurement of dileptons to much lower energies and to establish the onset of the low-mass excess related to chiral symmetry restoration and of the intermediate mass excess related to the QGP thermal radiation. I will review the potential, challenges and prospects of these measurements.

**Author:** TSERRUYA, Itzhak (Weizmann Institute)

**Presenter:** TSERRUYA, Itzhak (Weizmann Institute)

**Session Classification:** Parallel 3

**Track Classification:** Parallel Session