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Probing dense matter at low energies with dileptons: prospects and challenges

Monday, 3 September 2018 10:30 (30 minutes)

In this talk, I shall (i) review the results from almost 25 years of dilepton measurements, from the top RHIC energy of $\sqrt{s_{NN}}=200$ GeV down to the lowest SPS energy of $\sqrt{s_{NN}}=9$ GeV, and their relation to chiral symmetry restoration, (ii) discuss the potential, challenges and prospects of extending the dilepton measurements at much lower energies, mainly at the NICA facility under construction at JINR.

Presenter: Prof. TSERRUYA, Itzhak (Weizmann Institute of Science)

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