Contribution ID: 201 Type: Oral contribution

## Super Charm-Tau Factory in Russia

Friday 1 October 2021 08:25 (25 minutes)

The Super Charm-Tau Factory (SCTF) project proposed at Budker Institute of Nuclear Physics is discussed. An electron-positron collider with the luminosity of about

10^35 1/cm^2/s operated at the center-of-mass energies from 3 to 7 GeV, and modern particle detector allow one to study on the new level of precision the physics of charmonium, exotic charmonium-like states, charmed mesons and baryons, and the tau lepton, as well as the production of light hadrons in e+ e-annihilation processes and in two-photon processes. A longitudinal polarization of the electron beam at the interaction point will provide a number of advantages of the SCTF over the existing B factories such as Belle II and LHCb. The tau physics program of the SCTF will be discussed in more detail.

## What is your topic?

Author: EPIFANOV, Denis (BINP, Novosibirsk)

**Presenter:** EPIFANOV, Denis (BINP, Novosibirsk)

Session Classification: Session 7: Future directions