



Contribution ID: 47

Type: Oral presentation using Zoom

Towards $ee \rightarrow ss$ at ILC250

Wednesday, 27 October 2021 16:18 (20 minutes)

Linear Colliders with polarised beams provide unique opportunities to measure the helicity structure of the process $ee \rightarrow qq$ and to discover the onset of new physics.

This talk presents the status of a detailed simulation study of the process $ee \rightarrow ss$ based on the ILD concept. Particle identification of final state Kaons plays a crucial role for the success of the measurement and will be at the centre of the presentation. We will also review the handling of backgrounds from the light quarks u and d . The talk will finish with an outlook on the expected precisions in terms of cross sections and relevant asymmetries.

1st preferred time slot for your oral presentation

15:30-17:30 JST (8:30-10:30 CEST, 2:30-4:30 EDT, 23:30-1:30 PDT)

2nd preferred time slot for your oral presentation

19:00-21:00 JST (12:00-14:00 CEST, 6:00-8:00 EDT, 3:00-5:00 PDT)

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Session Classification: G: Top / Heavy flavour / QCD

Track Classification: Parallel sessions: Topical Groups: Session G: Top / Heavy flavour / QCD