



Contribution ID: 141

Type: Oral presentation using Zoom

High precision QED calculations

Thursday, 28 October 2021 19:24 (24 minutes)

While QED is a simpler theory than QCD, there are issues related to mass effects and collinear emissions that are specific to higher-order calculations in QED. We discuss our recent approach to tackle these problems, present a first complete NNLO QED calculation for a massive $2 \rightarrow 2$ process and discuss the impact of these developments on physics at a linear collider.

1st 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)

2nd 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)

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Session Classification: K&I: Modeling & precision theory & Electroweak physics

Track Classification: Parallel sessions: Topical Groups: Session K: Modeling & precision theory