

Session Program

2-5 Apr 2019

**LHC EW Precision sub-group workshop (IPPP
Durham UK)**

QCD predictions and calculations of p_{TW}/p_{TZ}

IPPP Durham

Tuesday 2 April

00:10

QCD predictions and calculations of p_{TW}/p_{TZ}

Session | Location: IPPP Durham

09:00–09:30 **Registration**

10:00–10:07 **General introduction and organisational matters**

Speaker

Marek Schoenherr

10:10–10:17 **Workshop introduction**

Speakers

Aram Apyan, Daniel Froidevaux, Frank Martin Krauss, Fulvio Piccinini, Marek Schoenherr

10:20–10:50

Benchmarking of parton shower for p_{TW}/Z predictions and QCD predictions from Sherpa

Speaker

Marek Schoenherr

11:00–11:30 **Coffee break**

11:30–12:00 **QCD predictions from Herwig7**

Speaker

Peter Richardson

12:10–12:20 **General discussion**

12:30–12:50 **Predictions of q_T spectrum of Z boson using TMDs**

Speakers

Dr Valerio Bertone, Valerio Bertone, giuseppe bozzi

13:00–14:00 **Lunch break**

14:00–14:20

Updated proposal for benchmarking pure resummation and summary of discussion on March 13th

Speaker

Aram Apyan

14:30–14:50 **Resummation calculations and benchmarking based on Resbos2**

Speaker

Joshua Isaacson

15:00–15:20 **Resummation calculations and benchmarking based on Radish**

Speaker

Luca Rottoli

15:30-15:50

Resummation calculations and benchmarking based on SCETlib

Speaker

Frank Tackmann

16:00-16:30

Coffee break

16:30-17:30

General discussion on benchmarking plans and theoretical uncertainties

Speaker

All

19:10