

Workshop on Resummation, Evolution, Factorization

Monday, 7 November 2016 - Thursday, 10 November 2016

University of Antwerp

Scientific Program

The following session organisation is very preliminary and only meant to give an overview of topics.
The schedule will most probably still change.

Monday afternoon:

Recap of last-year's edition, aims for this workshop

Case study: Higgs/DY/QQbar production

Tuesday morning:

Case study: high-pT dijet production in the back-to-back region

Relevance of factorisation breaking, energy dependence (RHIC to LHC)

Relevance to BSM searches

Tuesday afternoon:

SCET

high-pT jet production in SCET?

Wednesday morning

Tools, TMDlib

Monte Carlo's: GENEVA, TMDs in PYTHIA8, TMDs from parton shower MC

TMD pdfs from precision fits to HERA data

Wednesday afternoon

TMDs in the non-perturbative, few 100 MeV regime

fit phenomenology - non-perturbative contribution to evolution

Dyson-Schwinger

Spin physics

Holographic approach

Thursday morning

Overflow from previous sessions

Round-table discussion: TMD theory from different approaches (low x, ...)

Round-table discussion: future measurements

Plenary