

Resummation, Evolution, Factorization

Monday 08 December 2014 - Thursday 11 December 2014

University of Antwerp
Programme

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Monday 08 December 2014

Welcome and opening remarks - Hof Van Liere, Prentenkabinet (11:00-11:10)

- Presenters: CHEREDNIKOV, Igor

Presentation of the TMDlib project - Hof Van Liere, Prentenkabinet (11:10-11:20)

- Presenters: SIGNORI, Andrea

Results on TMD evolution - Hof Van Liere, Prentenkabinet (11:20-11:45)

- Presenters: CECCOPIERI, Federico Alberto

Evolution and extraction of TMDs - Hof Van Liere, Prentenkabinet (11:45-12:10)

- Presenters: SCIMEMI, Ignazio

QCD evolution of parton distributions: Comparative view - Hof Van Liere, Prentenkabinet (13:30-13:50)

- Presenters: CHEREDNIKOV, Igor

Overview of TMD evolution - Hof Van Liere, Prentenkabinet (13:50-14:35)

- Presenters: BOER, Daniel

Effect of TMD evolution and partonic flavor on e+e- annihilation into hadrons - Hof Van Liere, Prentenkabinet (14:35-15:00)

- Presenters: RADICI, Marco

Discussion - Hof Van Liere, Prentenkabinet (15:00-16:00)

Tuesday 09 December 2014

Collinear QCD, TMD resummation and non-perturbative aspects in SIDIS processes -
Building R, Room R218 (09:35-10:00)

- Presenters: BOGLIONE, Mariaelena

Non-linear evolution equations - Building R, Room R218 (10:00-11:00)

- Presenters: BALITSKY, Ian

Production of forward jets within high-energy factorization - Building R, Room R218 (11:00-11:25)

- Presenters: KUTAK, Krzysztof

Discussion - Building R, Room R218 (11:25-12:30)

Applications of the high-energy QCD effective action - Building R, Room R218 (14:00-14:25)

- Presenters: MADRIGAL MARTÍNEZ, José Daniel

High-energy resummation effects in Mueller-Navelet jet production at the LHC - Building R, Room R218 (14:25-14:50)

- Presenters: WALLON, Samuel

Impact factor for quark-antiquark-gluon jet production in diffractive DIS - Building R, Room 218 (14:50-15:15)

- Presenters: BOUSSARIE, Renaud

Discussion - Building R, Room R218 (15:15-17:30)

Wednesday 10 December 2014

Overview on transverse momentum resummation - Building R, Room 218 (09:30-10:30)

- Presenters: FERRERA, Giancarlo

Soft gluons and the ordering problem - Building R, Room R218 (10:30-10:55)

- Presenters: ANGELES MARTINEZ, Rene

Discussion - Building R, Room R218 (10:55-12:30)

Gluon-gluon to Higgs in TMD and kT-factorization: SCET approach - Building R, Room R218 (13:30-14:00)

- Presenters: ECHEVARRÍA, Miguel

Gluon-gluon to Higgs in TMD and kT-factorization: Small-x framework - Building R, Room R218 (14:00-14:30)

- Presenters: HAUTMANN, Francesco

Transverse momentum gluon density at low-x - Building R, Room 218 (14:30-14:55)

- Presenters: LYKASOV, Gennady

Discussion - Building R, Room R218 (14:55-16:00)

Thursday 11 December 2014

Impact of gluon polarization on Higgs production at the LHC - Building D, Room D013 (09:00-09:25)

- Presenters: PISANO, Cristian

Gluon TMDs and quarkonium production in (un)polarized proton-proton collisions - Building D, Room D013 (09:25-09:50)

- Presenters: LANSBERG, Jean-Philippe

Higgs and Drell-Yan production in high luminosity proton-proton collisions - Building D, Room D013 (09:50-10:15)

- Presenters: VAN HAEVERMAET, Hans

Discussion - Building D, Room D013 (10:15-12:30)

Generating function for web diagrams - Building D, Room D013 (14:00-14:25)

- Presenters: VLADIMIROV, Alexey

Concluding remarks and future plans - Building D, Room D013 (14:25-16:00)