

Resummation, Evolution, Factorization

Monday, December 8, 2014 - Thursday, December 11, 2014

University of Antwerp

Scientific Program

<u>Time slots</u>:

A] **<u>key talks</u>**: up to one hour (e.g. 45 min talk plus 15 min discussion)

B] **<u>normal talks</u>**: up to half an hour (e.g. 20 min talk plus 10 min discussion)

<u>Scientific Programme - outline</u>**- Monday morning** [from 11am]:

* I. Scimemi ("Evolution and extraction of TMDs")

* F. Ceccopieri ("Results on TMD evolution")

- Monday afternoon [till 5pm]:

* **<u>key talk</u>**: D. Boer-I. Cherednikov ("comparative study of the various evolution approaches for unintegrated and TMD PDFs")

* M. Radici ("Effect of TMD evolution and partonic flavor on e+e- annihilation into hadrons")

* *optional*: public PhD defense of T. Mertens (5pm)

- Tuesday morning [from 9.30am]:

* M. Boglione ("Collinear QCD, TMD resummation and non-perturbative aspects in SIDIS processes")

* **<u>key talk</u>**: I. Balitsky ("Non-linear evolution equations")

* K. Kutak ("Production of forward jets within high-energy factorization")

- Tuesday afternoon:

* J.D. Madrigal Martínez ("Applications of the high-energy QCD effective action")

* S. Wallon ("High-energy resummation effects in Mueller-Navelet jet production at the LHC")

* R. Boussarie ("Impact factor for quark-antiquark-gluon jet production in diffractive DIS")

- Wednesday morning [from 9.30am]:

* **<u>key talk</u>**: G. Ferrera ("Overview on transverse momentum resummation")

* R. Angeles Martinez ("on factorization breaking")

- **Wednesday afternoon** [till 5pm]:

* key talk: M. Echevarria-F. Hautmann ("gg to Higgs in TMD and kT-factorization")

* G. Lykasov ("Transverse momentum gluon density at low-x")

* *optional*: public PhD defense of Frederik Van der Veken (5pm)

- **Thursday morning** [from 9.30am]:

* C. Pisano ("Impact of gluon polarization on Higgs production at the LHC")

* J.P. Lansberg ("Gluon TMDs and quarkonium production in (un)polarised proton-proton collisions")

* H. van Haevermaet ("Higgs and Drell-Yan production in high luminosity proton-proton collisions")

- **Thursday afternoon**:

* A. Vladimirov ("Generating function for web diagrams")

* concluding remarks and future plans