



# QCD Evolution Workshop 2023

## Monday 22 May 2023

### TMDs - Auditorium Joliot Curie (10:15 - 10:40)

-Conveners: Carlota Andres

time	[id] title	presenter
10:15	[6] The resolution to the problem of consistent large transverse momentum in TMDs	GONZALEZ-HERNANDEZ, J. Osvaldo

### TMDs: Next-to-leading power - Auditorium Joliot Curie (11:00 - 12:15)

-Conveners: Carlota Andres

time	[id] title	presenter
11:00	[37] TMD factorization at sub-leading power	VLADIMIROV, Alexey
11:25	[35] TMD factorization at next-to-leading power	RODINI, Simone
11:50	[27] TMD Jet distributions at next-to-leading power	SCIMEMI, Ignazio

### TMDs: Global extractions - Auditorium Joliot Curie (12:15 - 12:40)

-Conveners: Jack Holguin

time	[id] title	presenter
12:15	[22] QCD Global Analyses of Transverse Single-Spin Asymmetries: Single Hadron and Dihadron Observables	PITONYAK, Daniel

### TMDs: Global extractions - Auditorium Joliot Curie (14:10 - 15:50)

-Conveners: Jack Holguin

time	[id] title	presenter
14:10	[56] Global extraction of Unpolarized proton and pion TMDs at N <sup>3</sup> LL	Mr ROSSI, Lorenzo
14:35	[62] First simultaneous global QCD analysis of transverse momentum dependent and collinear distributions in the proton	BARRY, Patrick
15:00	[57] Factorizing Lepton Radiation in SIDIS	Mr CAMMAROTA, Justin
15:25	[26] Transverse $\Lambda$ polarization in $e^+e^-$ annihilation processes and SIDIS within a TMD approach	ZACCHEDDU, Marco D'ALESIO, Umberto

# Tuesday 23 May 2023

## TMDs: Fragmentation - Auditorium Joliot Curie (09:00 - 10:40)

-Conveners: Maxim Nefedov

time	[id] title	presenter
09:00	[72] TMD distributions: collinear PDFs and flavour dependence	SCIMEMI, Ignazio ZURITA, Maria Pia
09:25	[8] TMD Fragmentations from thrust dependent processes	SIMONELLI, Andrea
09:50	[13] Collinear dynamics beyond DGLAP	JAARSMA, Max
10:15	[51] Transverse momentum-dependent parton distributions for longitudinally polarized nucleons from Lattice QCD	ENGELHARDT, Michael

## TMDs: Small-x - Auditorium Joliot Curie (11:00 - 12:40)

-Conveners: Maxim Nefedov

time	[id] title	presenter
11:00	[1] Rapidity-only TMD factorization at one loop	Prof. BALITSKY, Ian
11:25	[65] Weizsäcker-Williams TMD factorization at NLO for back-to-back inclusive dijets in DIS at small x	Dr CAUCAL, Paul
11:50	[23] TMD factorisation for diffractive jets in photon-nucleus interactions	IANCU, Edmond
12:15	[2] Stress-testing factorization techniques: quantitative results in scalar Yukawa field theory	RAINALDI, TOMMASO

# Friday 26 May 2023

## TMDs: Quarkonium - Auditorium Joliot Curie (11:00 - 12:40)

-Conveners: Cyrille Marquet

time	[id] title	presenter
11:00	[68] Accessing gluon TMDs through J/psi-pair production	COLPANI SERRI, ALICE
11:25	[7] Azimuthal asymmetries in back-to-back J/psi-jet and J/psi-photon production at the EIC	MUKHERJEE, Asmita
11:50	[20] Progresses on the TMD shape function in SIDIS	MAXIA, L.
12:15	[24] Inclusive quarkonium photoproduction	LYNCH, Kate