

Workshop Scheudle

Events for:
Monday, March 21st - Friday, March 25th

Monday, March 21st

8:45am **Opening remark - SCGP 102**

9:00am **Zoom: Ben Nachman - ZOOM/SCGP 102**

Speaker: Ben Nachman

Title: Jet substructure experiment overview: new ideas and measurements

9:45am **coffee break - SCGP Cafe**

10:15am **Jesse Thaler - SCGP 102**

Speaker: Jesse Thaler

Title: Optimal transport for jets

11:00am **Zoom: Simon Plätzer - ZOOM/SCGP 102**

Speaker: Simon Plätzer

Title: Accuracy of parton branching algorithms and subleading colour correction

11:45am **lunch and discussion - SCGP Cafe**

12:30pm **lunch - SCGP Cafe**

1:30pm **Zoom: Zvi Bern - ZOOM/SCGP 102**

Speaker: Zvi Bern

Title: QCD methods applied to gravitational waves

2:15pm **Hofie Hannesdottir - SCGP 102**

Speaker: Hofie Hannesdottir

Title: Finite S-matrix and constraints on analytic structure of scattering amplitudes

3:00pm **coffee break - SCGP Cafe**

3:30pm **Gherardo Vita - SCGP 102**

Speaker: Gherardo Vita

Title: Differential distributions at N3LO and beyond

Tuesday, March 22nd

9:00am **Zoom: Gregory Korchemsky - ZOOM/SCGP 102**

Speaker: Gregory Korchemsky

Title: Energy flow correlations

9:45am **coffee break - SCGP Cafe**

10:15am **Ian Moulton - SCGP 102**

Speaker: Ian Moulton

Title: Conformal colliders meet the LHC

11:00am **Dave Soper - SCGP 102**

Speaker: Dave Soper

Title: Theory of parton showers

11:45am **lunch - SCGP Cafe**

1:00pm **SCGP Weekly Talk: George Sterman - SCGP 102**

Title: ng fundamental processes: the story and stories of particle jets at accelerators

2:15pm **Edmond Iancu - SCGP 102**

Speaker: Edmond Iancu

Title: Jet evolution in a medium via parton showers

3:00pm **coffee break - SCGP Cafe**

3:30pm **Yacine Mehtar-Tani - SCGP 102**

Speaker: Yacine Mehtar-Tani

Title: Universality aspects of quantum corrections to jet transverse momentum broadening

4:15pm **Zoom: Xin-nian Wang - ZOOM/SCGP 102**

Speaker: Xin-nian Wang

Title: 3D structure of jet induced medium response in an expanding quark-gluon plasma

Wednesday, March 23rd

9:00am **Zoom: Andrea Banfi - ZOOM/SCGP 102**

Speaker: Andrea Banfi

Title: Next-to-leading log resummation of non-global logarithms

9:45am **Yoshitaka Hatta - SCGP 102**

Speaker: Yoshitaka Hatta

Title: Resummation of non-global logarithms in hadron collisions

10:30am **coffee break - SCGP Cafe**

11:00am **Thomas Becher - SCGP 102**

Speaker: Thomas Becher

Title: Resummation of super-leading and non-global logarithms

11:45am **Gregory Soyez - SCGP 102**

Speaker: Gregory Soyez

Title: Jet physics in the Lund plane

12:30pm **lunch and discussion - SCGP Cafe**

1:30pm **lunch - SCGP Cafe**

2:15pm **Zoom: Ivan Vitev - ZOOM/SCGP 102**

Speaker: Ivan Vitev

Title: Light and heavy jet production and substructure in e+A collisions at the EIC

3:00pm **coffee break - SCGP Cafe**

3:30pm **Christine Aidala - SCGP 102**

Speaker: Christine Aidala

Title: ing hadronization in jets at LHCb

4:15pm **Raghav Kunnawalkam Elayavalli - SCGP 102**

Speaker: Raghav Kunnawalkam Elayavalli

Title: Heavy ion jet measurements

6:00pm **Workshop dinner at Simons Center - SCGP Cafe**

Thursday, March 24th

9:00am **Zoom: Bryan Webber - ZOOM/SCGP 102**

Speaker: Bryan Webber

Title: Electroweak jets at high energy

9:45am **Valentin Hirschi - SCGP 102**

Speaker: Valentin Hirschi

Title: Local Unitarity: substituting brass for brains

10:30am **coffee break - SCGP Cafe**

11:00am **Babis Anastasiou - SCGP 102**

Speaker: Babis Anastasiou

Title: Infrared factorization: a practical method for computing two-loop QCD amplitudes

11:45am **Bianka Meczaj - SCGP 102**

Speaker: Bianka Meczaj

Title: Resummation beyond leading power in soft-collinear effective theory

12:30pm **lunch - SCGP Cafe**

1:30pm **Zoom: Duff Neill - ZOOM/SCGP 102**

Speaker: Duff Neill

Title: Fragmentation and small-z resummation

2:15pm **Zoom: Lorenzo Magnea - ZOOM/SCGP 102**

Speaker: Lorenzo Magnea

Title: Non-abelian infrared divergences on the celestial sphere

3:00pm **coffee break - SCGP Cafe**

3:30pm **Andrew Larkoski - SCGP 102**

Speaker: Andrew Larkoski

Title: A Fragmentation Approach to Jet Flavor

Friday, March 25th

9:00am **Bernhard Mistelberger - SCGP 102**

Speaker: Bernhard Mistelberger

Title: Predictions for the LHC at N³LO in QCD

9:45am **Zoom: Vitto Del Duca - ZOOM/SCGP 102**

Speaker: Vitto Del Duca

Title: Mixed QCD-Electroweak contributions to Higgs production

10:30am **coffee break - SCGP Cafe**

11:00am **Raju Venugopalan - SCGP 102**

Speaker: Raju Venugopalan

Title: Di-jet production at small x to NLO in the Color-Glass-Condensate effective field theory

11:45am **Ozan Erdogan - SCGP 102**

Speaker: Ozan Erdogan

Title: Infrared safety in coordinate space

12:30pm **lunch and discussion - SCGP Cafe**

1:30pm **lunch - SCGP Cafe**

2:15pm **Al Mueller - SCGP 102**

Speaker: Al Mueller

Title: Jets, saturation and unitarity in high energy coherent reactions

3:00pm **closing remark**