Welcome to 1Lund Jet Plane Institute (CERN, 3rd - 7th July 2023) indico.cern.ch/e/LundJetPlane2023

Organizing committee (contact lundjetplane2023-org _at_ cern.ch):

- Cristian Baldenegro (LLR, co-chair)
- David d'Enterria (CERN, co-chair)
- Raghav Kunnawalkam Elayavalli (Vanderbilt)
- Matt LeBlanc (CERN)
- Simone Marzani (Università di Genova)
- Matt Nguyen (LLR)
- Jennifer Roloff (BNL)
- Alba Soto Ontoso (CERN, co-chair)
- Gregory Soyez (IPhT Saclay, CERN, co-chair)
- Marta Verweij (Utrecht)





General philosophy of this workshop

- Overview, state-of-the-art, future developments of experimental and theoretical Lund plane-based techniques.
- Mostly in-person presentations + zoom connection.
- Afternoon workshop (14h –18h, GVA time): to allow Asia/Americas zoom participation, mornings can be used for discussion on site.
- Time for discussion every day at around 17h30

We expect to further improve the experimental and theoretical progress of the Lund plane, and hope that new projects and ideas arise.

(Hopefully discussion sessions & coffee breaks will help us achieve this!)

CERN-TH events this week

Lund Jet Plane Institute is part of the TH Institute series

Wednesday July 5th at 14h00: TH Colloquium on The Higgs boson and the top quark by M. Grazzini

Thursday July 6th: 11h00 <u>Collider X-Talk</u> on the Lund plane by C.Baldenegro, G.Soyez 13h30 <u>BSM forum</u> on Dark Showers by T. Cohen

Coffee breaks at 15h00 – 15h30 at TH coffee room 4/2-011, part of daily TH coffee

Locations

All talks will take place at TH Conference Room 4/3-006

Coffee breaks at 15h00 – 15h30 at TH coffee room 4/2-011, part of daily TH coffee

Event is broadcasted via Zoom (clickable link)

Indico timetable

Office space

Let us know if you need office space this week



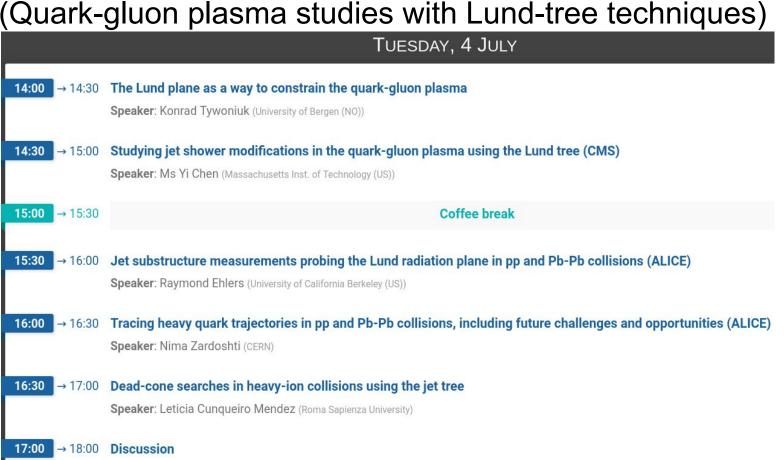
Monday July 3 (Lund diagrams theory & Lund plane related measurements)



Note: CERN Directorate meetg from 15h00 – 16h30, https://indico.cern.ch/event/130 0908/

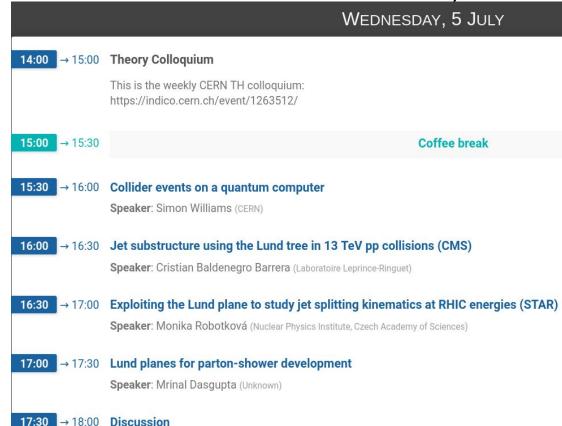
We will reconvene at 16h30

Tuesday July 4th (Quark-gluon plasma studies with Lund-tree techniques)

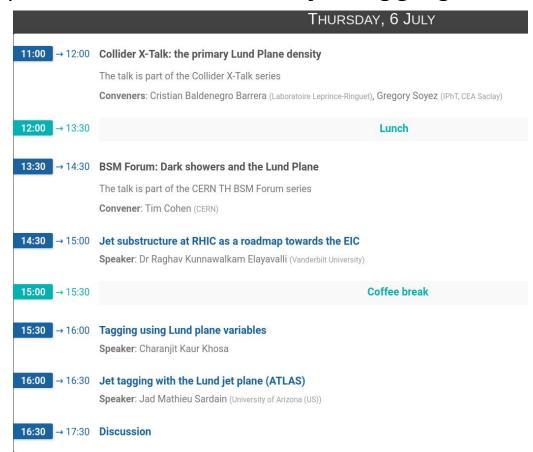


Wednesday July 5th

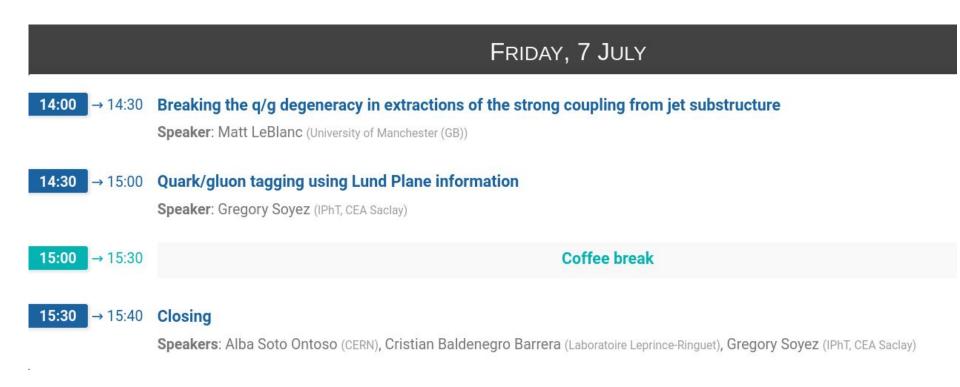
(Simulations with quantum computer, parton shower developments, and more Lund-related measurements)



Thursday July 6th (BSM dark showers & jet tagging, connections with EIC program)



Friday July 7th (Quark vs gluon jets)





Questions?