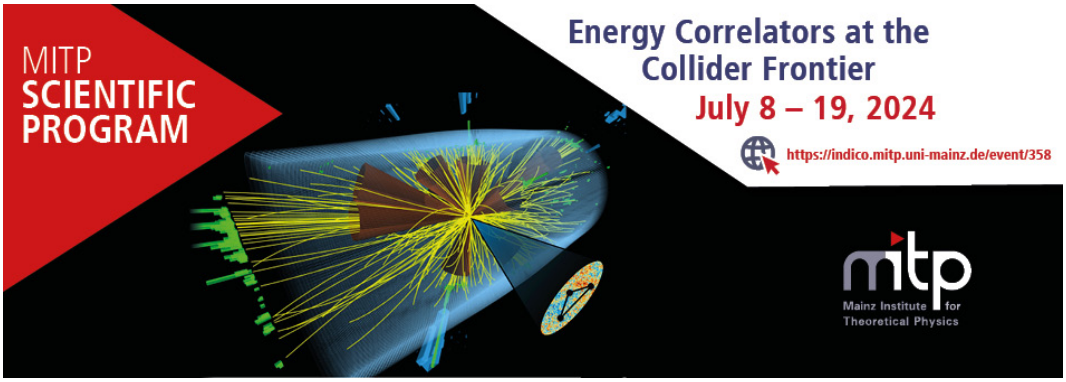
Session Program

Jul 8 – 19, 2024



Energy Correlators at the Collider Frontier

Morning Seminars Week 2

MITP - Mainz Institute for Theoretical Physics, Johannes Gutenberg University Mainz, 2413/2-430 - MITP Seminar Room
Staudingerweg 9 / 2nd floor, 55128 Mainz

Mon, July 15

10:00 AM

Morning Seminars Week 2: Monday Morning

Session |
Location: MITP - Mainz Institute for Theoretical Physics, Johannes Gutenberg University Mainz, 2413/2-430 - MITP Seminar Room, Staudingerweg 9 / 2nd floor, 55128 Mainz

10:00 – 11:00 AM

Harnessing Energy Correlators in Jets for Breakthroughs at the Collider Frontier

Speaker
Kyle Lee

11:00 – 11:30 AM **Break for coffee**

11:30 AM – 12:30 PM **Collins-type Energy-Energy Correlators and Nucleon Structure**

Speaker
DingYu Shao

12:30 PM

Tue, July 16

10:00 AM

Morning Seminars Week 2: Tuesday Morning

Session |
Location: MITP - Mainz Institute for Theoretical Physics, Johannes Gutenberg University Mainz, 2413/2-430 - MITP Seminar Room, Staudingerweg 9 / 2nd floor, 55128 Mainz

10:00 – 11:00 AM **Novel Aspects of Energy Correlators**

Speaker
Kai Yan

11:00 – 11:30 AM **Break for coffee**

11:30 AM – 12:00 PM
Light-ray operators in gauge and gravity theory: new infrared finite local observables

Speaker
Riccardo Gonzo

12:00 – 12:30 PM **Energy Correlators and Semiclassics**

Speaker
Matthew Walters

12:30 PM

Wed, July 17

10:00 AM

Morning Seminars Week 2: Wednesday Morning

Session |
Location: MITP - Mainz Institute for Theoretical Physics, Johannes Gutenberg University Mainz, 2413/2-430 - MITP Seminar Room, Staudingerweg 9 / 2nd floor, 55128 Mainz

10:00 – 11:00 AM **Energy Correlators & Beyond**

Speaker
Wouter Waalewijn

11:00 – 11:30 AM **Break for coffee**

11:30 AM – 12:00 PM **Hamiltonian Truncation and Effective Field Theory**

Speaker
Kara Farnsworth

12:00 – 12:30 PM **Conformal Colliders Meet the Celestial Sphere**

Speaker
Sruthi Narayanan

12:30 PM

Thu, July 18

10:00 AM

Morning Seminars Week 2: Thursday Morning

Session |
Location: MITP - Mainz Institute for Theoretical Physics, Johannes Gutenberg University Mainz, 2413/2-430 - MITP Seminar Room, Staudingerweg 9 / 2nd floor, 55128 Mainz

10:00 – 11:00 AM **Nucleon energy correlators**

Speaker
Xiaohui Liu

11:00 – 11:30 AM **Break for coffee**

11:30 AM – 12:30 PM **Light-ray OPE of EEC and collinear factorization**

Speaker
Hao Chen

12:30 PM

Fri, July 19

9:30 AM

Morning Seminars Week 2: Friday Morning

Session |
Location: MITP - Mainz Institute for Theoretical Physics, Johannes Gutenberg University Mainz, 2413/2-430 - MITP Seminar Room, Staudingerweg 9 / 2nd floor, 55128 Mainz

9:30 – 10:00 AM

One-point correlators of conserved and non-conserved charges in QCD

Speaker
Marc Riembau

10:00 – 10:30 AM **Energy Correlators, Heavy Flavor, and Precision QCD**

Speaker
Evan Craft

10:30 – 11:00 AM **Detectorology and its Phenomenological Applications**

Speaker
Mark Gonzalez

11:00 – 11:30 AM **Break for coffee**

11:30 AM – 12:30 PM **-**

Speaker
Feng Yuan

12:30 PM