

Week 4, August 22 - 26, 2022

of the Thematic Programme on

“Higher Structures and Field Theory”

August 1 - 26, 2022, organized by

Anton Alekseev (U Genève), Stefan Fredenhagen (U Vienna),
Nicolai Reshetikhin (UC, Berkeley), Thomas Strobl (U Lyon), Chenchang Zhu (U Göttingen)

• **Monday, August 22nd, 2022**

10:00 – 11:00 **Antonio Miti (MPIM, Bonn)**

Symmetries and Reduction of Multisymplectic Manifolds

11:00 – 11:30 **Coffee Break**

11:30 – 12:30 **Fridrich Valach (Imperial College, London)**

Exceptional generalised geometry, consistent truncations, and Poisson–Lie U-duality

12:30 – 15:30 **Lunch Break and Discussions**

15:30 – 16:30 **Nils Carqueville (U Vienna)**

Truncated Rozansky-Witten models as extended TQFTs

• **Tuesday, August 23rd, 2022**

10:00 – 11:00 **Olaf Hohm (HU Berlin)**

Double Copy of Yang-Mills & Double Field Theory

11:00 – 11:30 **Coffee Break**

11:30 – 12:30 **Zohreh Ravanpak (IMPAN)**

Unimodularity and invariant volume forms for Hamiltonian dynamics on Poisson-Lie groups

12:30 – 15:30 **Lunch Break and Discussions**

15:30 – 16:30 **Oscar Cosserat (U of La Rochelle)**

Symplectic groupoids for Poisson integrators

• **Wednesday, August 24th, 2022**

10:00 – 11:00 **Maxim Zabzine (Uppsala U)**

Equivariant partition functions and geometry

11:00 – 11:30 **Coffee Break**

11:30 – 12:30 **Allison Pinto (HU Berlin)**

Homological Quantum Mechanics

19:00 – 22:00 **Conference dinner**

- **Thursday, August 25th, 2022**

10:00 – 11:00 **Urs Schreiber (NYUAD)**

TED K-theory of Cohomotopy moduli spaces and Anyonic Topological Order

11:00 – 11:30 **Coffee Break**

11:30 – 12:30 **Lukas Woike (U of Copenhagen)**

Modular Functors and Factorization Homology

12:30 – 15:30 **Lunch Break and Discussions**

15:30 – 16:30 **Leonid Ryvkin (U Göttingen)**

Linearisation theorems for singular foliations

- **Friday, August 26th, 2022**

10:00 – 11:00 **Francesco Bonechi (INFN, Firenze)**

Morita Invariance of Quasi Poisson Structures

11:00 – 11:30 **Coffee Break**

11:30 – 12:30 **Jiří Nárožný (Charles U, Prague)**

Generalised Atiyah's Theory of Principal Connections

12:30 – 15:30 **Lunch Break and Discussions**

15:30 – 16:30 **Dmitry Roytenberg (U Amsterdam)**

A homotopy theory for higher Lie theory

All talks take place at ESI Boltzmann Lecture Hall! Please keep in mind that on-site participation is only possible under Covid 3G rules and wearing an FFP2 face mask is mandatory at the Erwin Schrödinger Institute.