

Session Program

22-27 Sept 2024



12th International Conference on the Exact Renormalization Group 2024 (ERG2024)

Poster Session

Maison des Congrès
Chem. des Grandes Isles 7, 1865 Ormont-Dessus Les Diablerets Switzerland

Tuesday 24 September

14:30

Poster Session

Poster Session |

Location: Maison des Congrès, Chem. des Grandes Isles 7, 1865 Ormont-Dessus Les Diablerets Switzerland

Renormalization Flow of Nonlinear Electrodynamics

Speaker

Julian Schirromeister

Asymptotically safe gauge-gravity systems

Speaker

Marc Schiffer

Generalization of the Central Limit Theorem to critical systems: A Perturbative Approach

Speaker

Sankarshan SAHU

UV conformal window of 4d gauge theories with matter

Speakers

Daniel Litim, Nahzaan Riyaz

Single-boson exchange formulation of the Schwinger-Dyson equation and its application to the fRG

Speaker

Miriam Patricolo

Critical dynamics with the aFRG

Speaker

Patrick Niekamp

Information-theoretical aspects of renormalization group

Speaker

Ryota Nasu

Phase Structure of the Quark-Meson-Diquark Model

Speaker

Ugo Mire

TBA

Speaker

Yadikaer Maitiniyazi

Towards nonperturbative nonlocal correlations in the 2d Hubbard Model with the fRG

Speaker

Marcel Krämer

Dilaton Quantum Gravity

Speaker

Athanasios Kogios

A new universality class describes Vicsek's flocking phase in physical dimensions**Speaker**

Patrick Jentsch

Fermionic self energy near quantum criticality in two dimensions**Speaker**

Mateusz Homenda

Walking, Nordic Walking, and Deconfined Pseudocriticality**Speaker**

Bilal Hawashin

Building nuclear Energy Density Functionals with the FRG**Speaker**

Louis Heitz

fRG Analysis and Fluctuation Diagnostics of the Hubbard-Holstein Model**Speaker**

Aiman Al-Eryani

TBA**Speaker**

Yuepeng Guan

Diagrammatic analysis of Anderson's orthogonality catastrophe**Speaker**

Marcel Gievers

Scaling exponents in quantum gravity**Speaker**

Kevin Falls

Higher spin theory/ $O(N)$ vector model duality and Exact Renormalisation Group**Speaker**

Pavan Dharanipragada

Lorentzian functional renormalization and the Nash-Moser theorem**Speaker**

Edoardo D'Angelo

Exploring the landscape of large- N fermionic theories**Speaker**

Charlie Cresswell-Hogg

The NPRG derivative expansion of $O(N)$ models: conformal symmetry constraints and the principle of minimum sensitivity**Speaker**

Santiago Cabrera Sosa

Physical running in quadratic gravity

Speaker
Diego Buccio

Scalar and TT mode spectral functions of Lorentzian quantum gravity

Speaker
Gabriel Assant

Interplay of chiral transitions in the standard model

Speaker
Richard Schmieden

Functional renormalization group for the Hubbard model at infinite on-site repulsion via Hubbard X-operators

Speaker
Jonas Arnold

Renormalized mean-field form of the static spin correlator and approximate nature of the quantum-to-classical correspondence

Speaker
Benedikt Schneider

U(1) Gauge-Field-Driven Non-Fermi Liquids: The Functional Renormalization Group and Symmetries

Speaker
Thomas Sheerin

On harvesting physical predictions from asymptotically safe quantum field theories

Speaker
Agustín Silva

An analysis of the regularization scheme dependence in low-energy effective field theories

Speaker
Jonas Stoll

Hydrodynamic Transport: From QFT to a Shear Viscosity Coefficient using the FRG

Speaker
Tim Stötzel

Realtime quantities from spectral flows and other functional methods

Speaker
Jonas Wessely

Quark-Meson model from the real-time functional renormalization group

Speaker
Yunxin Ye

16:10