

Program of Exact Renormalization Group 2020 Nov. 2-6, 2020

Note: program is scheduled in JST (GMT+9)

Last updated: 30th Oct

| Time | Nov.2 (Mon) | Nov.3 (Tue) | | Nov.4 (Wed) | | Nov.5 (Thu) | | Nov.6 (Fri) | |
|---------------------------|-------------------------------------|---|------------------------------------|---|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|----------------------------------|
| Morning(9:00-12:20) | | Parallel 1a Chair: K. Fukushima | Parallel 1b Chair: R. Rossi | Plenary 3-1 Chair: A. Stergiou | | Parallel 5a Chair: A. Ohnishi | Parallel 5b Chair: B. Knorr | Plenary 4-1 Chair: T. Kunihiro | |
| (9:00-9:40) | | J. Eser | P. Scior | B. Knorr (GMT-5) | | P. Jizba | Y. Meurice | M. Carrington (GMT-6) | |
| | | W.-j. Fu | A. Ohnishi | | | K. Otto | G. Johnson | | |
| (9:40-10:20) | | S. Yin | K. Itoh | T. Takayanagi | | R. Banerjee | N. Wschebor | R. Rossi (GMT-5) | |
| | | Y. Hamada | | | | A. Pereira | G. De Polsi | | |
| break | | | | | | | | | |
| | | Poster 1 (6) | | Plenary 3-2 Chair: H. Kawai | | Open Slot | | Plenary 4-2 Chair: H. Suzuki | |
| (10:40-11:20) | | Tomaz, Chen, Mashiko, Shimazaki, Wen, Zhang | | T. Kunihiro | | | | A. Stergiou (GMT-7) | |
| | M. Tsuchiizu(11:20-11:45) | | | | | | | | |
| (11:20-12:00) | | | | H. Yamase(11:45-12:10) | | | | Y. Nakayama | |
| lunch | opening (13:50-14:00) | | | | | | | | |
| Afternoon(14:00-19:00) | Plenary 1-1 Chair: N. Ohta | Plenary 2-1 Chair: R. Percacci | | Parallel 3a Chair: N. Ohta | Parallel 3b Chair: Y. Horinouchi | Parallel 6a Chair: S. Mukohyama | Parallel 6b Chair: L. Canet | Parallel 9a Chair: P. Millington | Parallel 9b Chair: A. Ohnishi |
| (14:00-14:40) | M. Salmhofer (GMT+1) | H. Kawai | | H. Kitamoto | H. Sonoda | C. Pagani | B. Faigle-Cedzich | S. Nagy | |
| | | | | J. Ziebell | S. Haribey | M. Altaisky | P. Bonetti | R. Percacci | S. Yabunaka |
| (14:40-15:20) | N. Defenu (GMT+1) | A. Eichhorn (GMT+1) | | C. Schneider | J. Kwapisz | G. Gionti,S.J. | R. Daviet | T. Morris | S. Sarkar |
| | | | | R. Ben Ali Zinati | O. Zanusso | C. Fontaine | T. Yokota | F. Saueressig | N. Tetradis |
| break | | | | | | | | | |
| | Plenary 1-2 Chair: J. P. Blaizot | Plenary 2-2 Chair: K.-I. Aoki | | Parallel 4a Chair: T. Baldauf | Parallel 4b Chair: K. Itoh | Parallel 7a Chair: S. Reffert | Parallel 7b Chair: K. Fukushima | Plenary 5-1 Chair: W. Metzner | |
| (15:40-16:20) | B. Delamotte (GMT+1) | F. Rennecke (GMT+1) | | A. Held | G. Savvidy | T. Steudtner | M. Scherer | N. Dupuis (GMT+1) | |
| | | | | K. Falls | F. J. Ihssen | Y. Kluth | P. Zdybel | | |
| (16:20-17:00) | P. Millington (GMT+0) | H. Suzuki | | L. Rachwal | M. Huber | M. Schiffer | A. Chlebicki | L. Canet (GMT+1) | |
| | | | | A. Salek | R. Alkofer | M. Pauly | D. Kiese | | |
| break | | | | | | | | | |
| | Plenary 1-3 Chair: A. Ohnishi | Parallel 2a Chair: A. Eichhorn | Parallel 2b Chair: S. Mukohyama | Poster 2 (12) | | Parallel 8a Chair: K. Itoh | Parallel 8b Chair: N. Defenu | Plenary 5-2 Chair: M. Salmhofer | |
| (17:20-18:00) | C. Wetterich (GMT+1) | A. Pithis | N. Wink | Koenigstein, Schuh, Steil, Zappala, Hille, Heinzelmann, Busch, Fejos, Niggemann, Wang, Dutta, Horak | | H. Gies | F. Isaule | S. Reffert (GMT+1) | |
| | | C. Ripken | C. FLEMING | | | K. Moch | S. Mathey | | |
| (18:00-18:40) | T. Baldauf (GMT+0) | M. Yamada | C. Cresswell-Hogg | | | M. Reichert | A. Fedorenko | | |
| (extra 18:40-19:00) | | G. P. de Brito | D. Litim | N. Benoit | D. Vilaridi | | | Y. Horinouchi | |
| dinner | | D. Benedetti | I. Balog | | | | | announcement of awards Closing | |
| Discussion 21:00-22:00 | Remo | Remo | | Remo | | Remo | | Remo | |

Plenary talks [Zoom main]

last updated: 6th, Nov, 2020

| | | | Institution | Title | Slide | Video |
|----------------|-------------|---------------|--|--|-------------------------|-------------------------|
| Nov 2 (Mon) | Plenary 1-1 | Nov. 2, 14:00 | | | | |
| | Salmhofer | Manfred | Institut für theoretische Physik, Universität Heidelberg | Rigorous Renormalization Group | [Slide] | [Video] |
| | Defenu | Nicolo | Institute for Theoretical Physics, ETH Zürich | RG and FRG approach to the computation of non-universal quantities in the BKT transition | [Slide] | [Video] |
| | Plenary 1-2 | Nov. 2, 15:40 | | | | |
| | Delamotte | Bertrand | Laboratory of Theoretical and Condensed Matter Physics, Sorbonne University, Paris | About the convergence of the derivative expansion | [Slide] | [Video] |
| | Millington | Peter | University of Nottingham | An alternative flow equation from the regulator-sourced 2PI effective action | [Slide] | [Video] |
| | Plenary 1-3 | Nov. 2, 17:20 | | | | |
| | Wetterich | Christof | Heidelberg University Institute for Theoretical Physics | Fundamental Scale Invariance | [Slide] | [Video] |
| | Baldauf | Tobias | University of Cambridge | Effective Field Theory of Large-Scale Structure | [Slide] | [Video] |
| Nov 3 (Tue) | Plenary 2-1 | Nov. 3, 14:00 | | | | |
| | Kawai | Hikaru | Dept. of Physics Kyoto University | Quantum Gravity and Naturalness | [Slide] | [Video] |
| | Eichhorn | Astrid | CP3-Origins, University of Southern Denmark, Odense | Frontiers of quantum gravity | [Slide] | [Video] |
| | Plenary 2-2 | Nov. 3, 15:40 | | | | |
| | Rennecke | Fabian | Brookhaven National Laboratory | QCD from an FRG perspective | [Slide] | [Video] |
| | Suzuki | Hiroshi | Kyushu University | Gradient flow and the Wilsonian renormalization group flow | [Slide] | [Video] |

| | | | | | | |
|----------------|-------------|---------------|---|---|-------------------------|-------------------------|
| Nov 4 (Wed) | Plenary 3-1 | Nov. 4, 09:00 | | | | |
| | Knorr | Benjamin | Perimeter Institute for Theoretical Physics | Form Factors in Quantum Gravity - from their computation to scattering amplitudes | [Slide] | [Video] |
| | Takayanagi | Tadashi | YITP, Kyoto | Developments of Path-integral Optimization | [Slide] | [Video] |
| | Plenary 3-2 | Nov. 4, 10:40 | | | | |
| | Kunihiro | Teiji | Yukawa Institute for Theoretical Physics, Kyoto University | Functional-Renormalization-Group Derivation of Density Functional Theory for Superfluid Systems | [Slide] | [Video] |
| | Tsuchiizu | Masahisa | Nara Women's University | Electronic nematic transitions in cuprate superconductors | | |
| | Yamase | Hiroyuki | International Center for Materials Nanoarchitectonics, National Institute for Materials Science | Application of functional RG to the superfluid phase stiffness and BKT temperature in 2D Hubbard model | [Slide] | [Video] |
| | | | | | | |
| Nov 6 (Fri) | Plenary 4-1 | Nov. 6, 09:00 | | | | |
| | Carrington | Margaret | Brandon University | Renormalized thermodynamics from an nPI effective action | [Slide] | [Video] |
| | Rossi | Riccardo | Center for Computational Quantum physics, Flatiron Institute | High-order renormalized perturbative expansions with Diagrammatic Monte Carlo | [Slide] | [Video] |
| | Plenary 4-2 | Nov. 6, 10:40 | | | | |
| | Stergiou | Andreas | Los Alamos National Laboratory | Conformal Bootstrap and Critical Phenomena | [Slide] | [Video] |
| | Nakayama | Yu | Rikyo University | Functional renormalization group approach to dipolar fixed point which is scale invariant but non-conformal | [Slide] | [Video] |
| | Plenary 5-1 | Nov. 6, 15:40 | | | | |
| | Dupuis | Nicolas | Laboratoire de Physique Théorique de la Matière Condensée, Sorbonne university & CNRS | FRG and disordered systems | [Slide] | [Video] |
| | Canet | Léonie | University Grenoble Alpes | Time dependence of correlation functions in homogeneous and isotropic turbulence. | [Slide] | [Video] |
| | Plenary 5-2 | Nov. 6, 17:20 | | | | |
| | Reffert | Susanne | ITP, University of Bern | The large quantum number expansion | [Slide] | [Video] |
| | Horinouchi | Yusuke | Department of Physics, University of Tokyo | Renormalization-group limit cycle in Efimov physics | [Slide] | [Video] |
| | | | | | | |
| | | | | | | |

| Parallel sessions [Zoom main (a), parallel (b)] | | | | | | |
|---|----------------|-----------------|---|--|-------------------------|-------------------------|
| Nov 3 (Tue) | Parallel 1a | Nov. 3, 9:00- | | | | |
| | Eser | Juergen | Goethe University Frankfurt | Low-energy couplings from the FRG | [Slide] | [Video] |
| | Fu | Wei-jie | Dalian University of Technology | QCD phase transition within the fRG approach | [Slide] | [Video] |
| | Yin | Shi | School of Physics, Dalian University of Technology | Hyper-order baryon number fluctuations at finite temperature and density | [Slide] | [Video] |
| | Hamada | Yu | Kyoto University | Gravitational instantons and anomalous chiral symmetry breaking | [Slide] | [Video] |
| | Parallel 1b | Nov. 3, 9:00- | | | | |
| | Scior | Philipp | Bielefeld University | Spectral functions from the real-time functional renormalization group | [Slide] | [Video] |
| | Ohnishi | Akira | Yukawa Institute for Theoretical Physics, Kyoto University | Replica evolution of classical field in 4+1 dimensional spacetime as a simulator of quantum field evolution | [Slide] | [Video] |
| | Itoh | Katsumi | Department of Education, Niigata University | RG flows and WT identity for QED | [Slide] | [Video] |
| | Parallel 2a | Nov. 3, 17:20- | | | | |
| | Pithis | Andreas | University of Heidelberg, SISSA | The phase diagram of the ABAB multi-matrix model from functional Renormalization | [Slide] | [Video] |
| | Ripken | Chris | Johannes Gutenberg-Universität Mainz | Graviton-mediated scattering amplitudes from the Quantum Effective Action | [Slide] | [Video] |
| | Yamada | Masatoshi | Institute for theoretical physics, Heidelberg University | Quantum gravity from hidden local Lorentz symmetry | [Slide] | [Video] |
| | de Brito | Gustavo Pazzini | CP3-Origins, University of Southern Denmark | Unimodular Quantum Gravity: Steps Beyond Perturbation Theory | [Slide] | [Video] |
| | Benedetti | Dario | Centre de Physique Théorique, Ecole Polytechnique, CNRS | Melonic field theories | [Slide] | [Video] |
| | Parallel 2b | Nov. 3, 17:20- | | | | |
| | Wink | Nicolas | Heidelberg University | Spectral functions from the FRG and their application | [Slide] | [Video] |
| | FLEMING | Claude | Theoretical physics laboratory of condensed matter (LPTMC), Sorbonne University | Finite N origin of the Bardeen-Moshe-Bander phenomenon and its extension at $N=\infty$ by singular fixed points | [Slide] | [Video] |
| | Cresswell-Hogg | Charlie | University of Sussex | Asymptotic safety of fermionic field theories | [Slide] | [Video] |
| | Litim | Daniel | University of Sussex | Strongly interacting UV fixed points | [Slide] | [Video] |
| | Balog | Ivan | Institute of Physics, Zagreb | Nonperturbative Renormalization Group approach to the lower critical dimension in systems with discrete symmetry | [Slide] | [Video] |

| | | | | | | |
|-------------|----------------|--------------------|---|---|-------------------------|-------------------------|
| Nov 4 (Wed) | Parallel 3a | Nov. 4, 14:00 | | | | |
| | Kitamoto | Hiroyuki | Frontier Research Institute for Interdisciplinary Sciences, Tohoku University | Infrared resummation for derivative interactions in de Sitter space | [Slide] | [Video] |
| | Ziebell | Jobst | Theoretisch-Physikalisches Institut, Friedrich-Schiller-Universität Jena | Existence and construction of exact FRG flows of a UV-interacting scalar field theory | [Slide] | [Video] |
| | Schneider | Coralie | Institute for Theoretical Physics, Heidelberg University | Landau gauge Yang-Mills correlation functions and modified Slavnov-Taylor identities | [Slide] | [Video] |
| | Ben Ali Zinati | Riccardo | LPTMC, Sorbonne Université & CNRS, Paris | Platonic field theories | [Slide] | [Video] |
| | Parallel 3b | Nov. 4, 14:00 | | | | |
| | Sonoda | Hidenori | Physics Department, Kobe University | Products of Current Composite Operators in the ERG formalism | [Slide] | [Video] |
| | Harribey | Sabine | Centre de Physique théorique, Ecole Polytechnique | Long-range multi-scalar models at three loops | [Slide] | [Video] |
| | Kwapisz | Jan | Institute for Theoretical Physics, University of Warsaw | Renormalization group procedure for potential g/r^2 | [Slide] | [Video] |
| | Zanusso | Omar | University of Pisa | Symmetry from universality | [Slide] | [Video] |
| | Parallel 4a | Nov. 4, 15:40 | | | | |
| | Held | Aaron | Imperial College London | Effective asymptotic safety and the CKM sector | [Slide] | [Video] |
| | Falls | Kevin | Scuola Internazionale Superiore di Studi Avanzati | Towards the determination of the dimension of the critical surface in asymptotically safe gravity | [Slide] | [Video] |
| | Rachwal | Leslaw | Federal University of Juiz de Fora, Brazil | Effective Action from the Functional Renormalization Group | [Slide] | [Video] |
| | Salek | Abdol Sabor | Institute for Theoretical Physics, Friedrich Schiller University Jena | Curvature bound from gravitational catalysis in thermal backgrounds | [Slide] | [Video] |
| | Parallel 4b | Nov. 4, 15:40 | | | | |
| | Savvidy | George | Demokritos National Research Centre, Athens, Greece | Chromomagnetic Gluon Condensation in QCD and Renormalisation Group | [Slide] | [Video] |
| | Ihssen | Friederike Juliane | Institute for Theoretical Physics, Heidelberg University | Resolving the QCD phase structure with Discontinuous Galerkin Methods | [Slide] | [Video] |
| | Huber | Markus | Institute of Physics, Giessen University | With functional methods from propagators and vertices to glueballs | [Slide] | [Video] |
| | Alkofer | Reinhard | Institute of Theoretical Physics, University Graz | Chiral symmetry breaking in gauge theories: Delicate and intricate! | [Slide] | [Video] |
| | | | | | | |

| | | | | | | |
|----------------|--------------|---------------|--|---|-------------------------|-------------------------|
| Nov 5 (Thu) | Parallel 5a | Nov. 5, 9:00 | | | | |
| | Jizba | Petr | Czech Technical University in Prague | Dark Side of Weyl Gravity | [Slide] | [Video] |
| | Otto | Konstantin | Institute for Theoretical Physics, Justus-Liebig University Giessen | Hybrid star observables from a non-perturbative quark matter equation of state | [Slide] | [Video] |
| | Banerjee | Rudrajit | University of Pittsburgh | The spatial FRG on cosmological spacetimes: from UV Hadamard condition to IR dimensional reduction | [Slide] | [Video] |
| | Pereira | Antonio | Fluminense Federal University | Renormalization group flows in unimodular quantum gravity | [Slide] | [Video] |
| | Parallel 5b | Nov. 5, 9:00 | | | | |
| | Meurice | Yannick | University of Iowa | Exact and approximate equations for Tensor RG | [Slide] | [Video] |
| | Johnson | Gregory | North Carolina State University | A First Functional Renormalization Group Study of the Universal Yang-Lee Edge Location in $O(N)$ Models | [Slide] | [Video] |
| | Wschebor | Nicolás | Instituto de Física, Facultad de Ingeniería, Universidad de la República | Precision calculation of critical exponents in the $O(N)$ universality classes with the nonperturbative renormalization group | [Slide] | [Video] |
| | De Polsi | Gonzalo | Instituto de Física, Facultad de Ciencias, Universidad de la República | Conformal Invariance and the Principle of Minimal Sensitivity | [Slide] | [Video] |
| | Parallel 6a | Nov. 5, 14:00 | | | | |
| | Pagani | Carlo | Univ. Grenoble Alpes, CNRS, LPMMC | Functional renormalization group approach to scalar turbulence | [Slide] | [Video] |
| | Altaisky | Mikhail | Space Research Institute RAS | Wavelet regularization of gauge theories | [Slide] | [Video] |
| | Gionti, S.J. | Gabriele | Specola Vaticana (Vatican Observatory) | Canonical Analysis of Brans-Dicke Theory Addresses Hamiltonian Inequivalence between Jordan and Einstein Frames | [Slide] | [Video] |
| | Fontaine | Côme | University Grenoble Alpes | FRG approach to spontaneous stochasticity | [Slide] | [Video] |
| | Parallel 6b | Nov. 5, 14:00 | | | | |
| | Bonetti | Pietro Maria | Max Planck Institute for Solid State Research, Stuttgart | Vertex bosonization in the Hubbard model: a new perspective | [Slide] | [Video] |
| | Daviet | Romain | Laboratoire de Physique Théorique de la matière Condensée | One dimensional interacting quantum fluids in the presence of disorder | [Slide] | [Video] |
| | Yokota | Takeru | The Institute for Solid State Physics, The University of Tokyo | Density functional theory for electron systems by the aid of functional renormalization group | [Slide] | [Video] |

| | | | | | | |
|--|-------------|----------------|---|--|-------------------------|-------------------------|
| | Parallel 7a | Nov. 5, 15:40 | | | | |
| | Steudtner | Tom | Technische Universität Dortmund | Classifying Asymptotic Safety in Perturbatively Exact Gauge-Yukawa Theories | [Slide] | [Video] |
| | Kluth | Yannick | University of Sussex | Fixed Points of Quantum Gravity and the Dimensionality of the UV Critical Surface | [Slide] | [Video] |
| | Schiffer | Marc | Institute for Theoretical Physics, Heidelberg University | Chiral symmetry breaking in asymptotically safe quantum gravity | [Slide] | [Video] |
| | Pauly | Martin | Institute for Theoretical Physics, Heidelberg University | Towards implications of asymptotic safety in cosmology | [Slide] | [Video] |
| | Parallel 7b | Nov. 5, 15:40 | | | | |
| | Scherer | Michael | Institute for Theoretical Physics, University of Cologne | Functional RG approach to strongly-correlated states in moiré quantum materials | [Slide] | [Video] |
| | Zdybel | Piotr | Institute of Theoretical Physics, Faculty of Physics, University of Warsaw | Quantum Lifshitz points and fluctuation-induced first-order phase transitions in imbalanced Fermi mixtures | [Slide] | [Video] |
| | Chlebicki | Andrzej | Institute for Theoretical Physics, Faculty of Physics, University of Warsaw | Analyticity of the critical exponents in the O(N) models | [Slide] | [Video] |
| | Kiese | Dominik | Institute for Theoretical Physics, University of Cologne | Multiloop functional renormalization group approach to quantum spin systems | [Slide] | [Video] |
| | | | | | | |
| | Parallel 8a | Nov. 5, 17:20 | | | | |
| | Gies | Holger | Institute for Theoretical Physics (TPI), Friedrich Schiller University Jena | UV completeness beyond the deep Euclidean region | [Slide] | [Video] |
| | Moch | Kevin | Theoretical Physics IV, Dortmund University | Fixed Points in MSSM Extensions | [Slide] | [Video] |
| | Reichert | Manuel | Department of Physics and Astronomy, University of Sussex | Electroweak baryogenesis: Linking gravitational waves to the Higgs-self coupling | [Slide] | [Video] |
| | Benoit | Nicholas James | Graduate School of Science, Hiroshima University | A Study of Renormalization Group Effects on the Mass of the Lightest Neutrino | [Slide] | [Video] |
| | Parallel 8b | Nov. 5, 17:20 | | | | |
| | Isaule | Felipe | Universitat de Barcelona | Functional renormalization for Bose-Bose mixtures | [Slide] | [Video] |
| | Mathey | Steven | University of Cologne | Activating new universality with the Kibble-Zurek mechanism | [Slide] | [Video] |
| | Fedorenko | Andrei | Laboratoire de Physique, Ecole Normale Supérieure de Lyon | Depinning transition of charge density waves: mapping onto $O(n)$ symmetric ϕ^4 theory with $n=-2$ and loop erased random walks | [Slide] | [Video] |
| | Vilardi | Demetrio | Max Planck Institute for Solid State Research | Antiferromagnetic and superconducting order parameters in the Hubbard model: a dynamical perspective | [Slide] | [Video] |
| | | | | | | |

| | | | | | | |
|----------------|-------------|---------------|---|---|-------------------------|-------------------------|
| Nov 6 (Fri) | Parallel 9a | Nov. 6, 14:00 | | | | |
| | Nagy | Sandor | Department of Theoretical Physics, University of Debrecen, Hungary | Complex couplings in renormalization | [Slide] | [Video] |
| | Percacci | Roberto | International School for Advanced Studies, Trieste | Functional renormalization and \overline{MS} | [Slide] | [Video] |
| | Morris | Tim R | University of Southampton | A perturbative continuum limit for quantum gravity | [Slide] | [Video] |
| | Saueressig | Frank | Institute for Mathematics, Astrophysics and Particle Physics, Radboud University Nijmegen | Spectroscopy of the Reuter fixed point using the composite operator formalism | [Slide] | [Video] |
| | Parallel 9b | Nov. 6, 14:20 | | | | |
| | Yabunaka | Shunsuke | Department of Physics, Kyushu University | Why Might the Standard Large N Analysis Fail in the $O(N)$ Model: The Role of Cusps in the Fixed Point Potentials | [Slide] | [Video] |
| | Sarkar | Sarben | King's College London | Application of asymptotic analysis of the local potential approximation for the functional renormalization group equation to PT symmetric Hamiltonians. | [Slide] | [Video] |
| | Tetradis | Nikolaos | Department of Physics, University of Athens | Effective theory of large scale structure | [Slide] | [Video] |

Poster sessions [Zoom poster, breakout rooms]

| | | | | | |
|----------------|-------------|---------------------|---|---|-------------------------|
| Nov 3 (Tue) | Poster 1 | Nov. 3, 10:40-12:00 | | | |
| | Tomaz | Anderson Alves | Fluminense Federal University | Hearing the shape of inequivalent spin structures and exotic Dirac operators | [Slide] |
| | Chen | Yong-rui | Dalian university of Technology | Phase diagram and critical behavior of quark-meson model | [Slide] |
| | Mashiko | Tohru | Department of Physics, Kyushu University | Universality Class around the SU(3) Symmetric Point of the Dimer-Trimer Spin-1 Chain | [Slide] |
| | Shimazaki | Takuya | The University of Tokyo | t Hooft anomaly in functional renormalization group | [Slide] |
| | Wen | Rui | Dalian University of Technology | Correlations of conserved charges and QCD phase structure | [Slide] |
| | Zhang | Yun-Long | Yukawa Institute for Theoretical Physics, Kyoto University | Holographic RG flow and cosmological time evolution | [Slide] |
| Nov 4 (Wed) | Poster 2 | Nov. 4, 17:20-18:40 | | | |
| | Koenigstein | Adrian | Institute for Theoretical Physics, Goethe University Frankfurt a. M. | Zero-dimensional QFTs as numerical test cases: FRG-flow equations and numerical fluid dynamics | [Slide] |
| | Schuh | Peter | Technische Universität Dortmund | Vacuum Stability and Asymptotic Safety in 2HDMs | [Slide] |
| | Steil | Martin Jakob | Technische Universität Darmstadt | Zero-dimensional QFTs as numerical test cases: FRG-flow equations and numerical fluid dynamics | [Slide] |
| | Zappala | Dario | Catania | Topological phase transitions in four dimensions | [Slide] |
| | Hille | Cornelia | Tuebingen | Quantitative functional renormalization-group description of the two-dimensional Hubbard model | [Slide] |
| | Heinzelmann | Sarah | Tuebingen | Entangled magnetic, charge, and superconducting pairing correlations in the 2D Hubbard model: an fRG analysis | [Slide] |
| | Busch | Christopher | Justus Liebig University Giessen | The Quark-Meson Transition with Dynamical Hadronization | [Slide] |
| | Fejos | Gergely | Eotvos University Budapest | Order of the color superconducting phase transition | [Slide] |
| | Niggemann | Nils Frederic | Freie Universität Berlin | The Majorana Functional Renormalization Group for Quantum Spin Systems | [Slide] |
| | Wang | Jian | Institute for Mathematics, Astrophysics and Particle Physics, Radboud University Nijmegen | Asymptotically Safe Gravity with Fermions | [Slide] |
| | Dutta | Semanti | Institute of Mathematical Sciences, Chennai, India | Wilson action for O(N) theory | [Slide] |
| | Horak | Jan | Universitaet Heidelberg | Real-time physics from functional methods with spectral renormalization | [Slide] |

| | | | | | | |
|----------------------------|---------|--|--|--|-------------------------|--|
| | | | | | | |
| Closing [Zoom main] | | | | | | |
| Nov 6 (Fri) | Closing | | | | [Slide] | |
| | | | | | | |