



# ERG 2022

## Monday 25 July 2022

### Poster: Poster session (17:20-18:35)

| time  | [id] title   | presenter                          |
|-------|--|------------------------------------|
| 17:20 | [98] Information theoretic regulators for complex systems with multiple notions of scale           | KLINE, Adam                        |
| 17:20 | [109] Phase Transitions in Yukawa Models   | SCHMIEDEN, Richard                 |
| 17:20 | [108] Towards quantitative precision for non-smooth interaction potentials in FRG flows            | SATTLER, Franz Richard             |
| 17:20 | [102] The predictive power of asymptotic safety for an ALP model                                   | LINO DOS SANTOS ,<br>Rafael Robson |
| 17:20 | [103] SU(4) symmetry in Dirac materials - Application to twisted bilayer graphene                  | PARTHENIOS, Nikolaos               |
| 17:20 | [105] UV Conformal Window and Loss of Asymptotic Safety  | RIYAZ, Nahzaan                     |
| 17:20 | [107] Asymptotically safe Einstein-Palatini gravity  | SALEK, Abdol Sabor                 |
| 17:20 | [87] Background Effective Action with Nonlinear Massive Gauge Fixing                               | GKIATAS, Dimitrios                 |
| 17:20 | [88] mfRG analysis of the Attractive Hubbard Model   | AL-ERYANI , Aiman                  |
| 17:20 | [89] FRG analysis of the pseudogap opening in the 2D Hubbard model at finite doping                | BRAUN , Hannes                     |
| 17:20 | [92] Holographic RG from Exact RG  | DHARANIPRAGADA,<br>Pavan           |
| 17:20 | [104] Functional Renormalization for Multimatrix Models  | PEREZ SANCHEZ , Carlos I.          |
| 17:20 | [95] FRG based on the single boson exchange decomposition  | FRABOULET, Kilian                  |
| 17:20 | [91] Incommensurate 2kF density wave quantum criticality   | DEBBELER, Lukas                    |
| 17:20 | [116] Spectral functions from renormalised flow equations  | WESSELY, Jonas                     |
| 17:20 | [96] EOS of QCD Matter   | GEISSEL, Andreas                   |
| 17:20 | [120] Symmetry constraints for Callan-Symanzik flows in chiral models                              | TÖPFEL, Sebastian                  |
| 17:20 | [94] Universal scaling at a pre-thermal dark state   | ENSS, Tilman                       |
| 17:20 | [97] Multiloop functional renormalization group study of the Fermi polaron problem                 | GIEVERS, Marcel                    |
| 17:20 | [99] Entangled magnetic, charge, and superconducting pairing correlations in the 2-D Hubbard model | HEINZELMANN, Sarah                 |
| 17:20 | [100] Truncated-unity FRG approach to minimal models of correlated moiré materials                 | HENKEL, ravn                       |
| 17:20 | [101] The F-theorem in the melonic limit   | LETTERA, Davide                    |
| 17:20 | [106] Real-time functional renormalization group for critical dynamics                             | ROTH, Johannes                     |
| 17:20 | [110] Functional Spin RG for Rydberg Array Spin Hamiltonians                                       | SCHNEIDER, Benedikt                |
| 17:20 | [111] Asymptotic freedom and safety in quantum gravity   | SEN, Saswato                       |

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|-------|---|--|
| 17:20 | [112] The $(1 + 1)$ -dimensional Gross-Neveu model at non-zero $\mu$ , $T$ and finite $N$ | STOLL, Jonas                           |
| 17:20 | [113] From KPZ to Inviscid Burgers universality : a FRG approach                          | VERCESI, Francesco                     |
| 17:20 | [114] Shift-symmetric Horndeski models in the asymptotically safe swampland?              | WAGNER, Fabian                         |
| 17:20 | [115] Fluctuation computation of gravitational RG flows on foliated spacetime             | WANG, Jian                             |
| 17:20 | [117] The $(1 + 1)$ -dimensional Gross-Neveu model at non-zero $\mu$ , $T$ and finite $N$ | ZORBACH, Niklas                        |
| 17:20 | [118] A study of a toy model of hydrodynamic turbulence using the NPRG                    | FONTAINE, Côme                         |
| 17:20 | [121] Dilaton Quantum Gravity   | KOGIOS, Athanasios                     |
| 17:20 | [119] Phonon renormalization and Pomeranchuk instability in the Holstein model            | HANSEN, Max Oberon<br>CICHUTEK, Niklas |