List of poster presentations

The poster session takes place on **Tuesday, 1st August 19:30 - 21:30 CET** with focus on odd poster numbers AND **Thursday, 3rd August 19:30-21:30 CET** with focus on even poster numbers on the second floor of the main building. For each poster contribution there will be one poster wall (width: 97 cm, height: 250 cm) available. The preferred size of a poster is A0, portrait. Please do not feel obliged to fill the whole space. Posters can be put up for the full duration of the event.

1. **Agarmani, Yassine**
   Studying effects of critical elasticity around the Mott critical end-point in κ-$(ET)_2X$ systems by combining chemical substitution and He-gas pressure

2. **Aggarwal, Deepanshu**
   Moiré bands in twisted bilayer graphene under externally imposed periodic potential

3. **Arora, Disha**
   Interference effects in polarisation-controlled Rayleigh scattering in twisted bilayer graphene

4. **Battistoni, Paolo**
   Elastic Tuning of competing orders in correlated superconductors

5. **Chakraborty, Nilotpal**
   Riemann meets Goldstone- magnon scattering off quantum Hall skyrmion crystals probes interplay of symmetry breaking and topology

6. **Chatterjee, Shouvik**
   Controlling the band structure in rare-earth monopnictides

7. **Cichutek, Niklas**
   Renormalization group flow of the Yukawa-SYK model

8. **Ferrari, Francesco**
   Charge order and superconductivity in extended Hubbard models for AV3Sb5 kagome metals

9. **Franke, Lars**
   Quantum criticality on a compressible lattice

10. **Gaa, Jonas**
    The dynamical elastocaloric effect

11. **Garcia-Gassull Areitio, Laura**
    DFT+DMFT in strained Sr_2RuO_4 and RuO_2

12. **Haddad, Sonia**
    Twistronics versus straintronics in twisted bilayers of graphene and transition metal dichalcogenides

13. **Hameed, Sajna**
    Enhanced superconductivity in plastically deformed SrTiO3

14. **Hansen, Max Oberon**
    Collective modes in the charge-density wave state of $K_{0.3}MoO_3$: The role of long-range Coulomb interactions revisited

15. **Henßler, Fabian**
    Collective dynamics of lattice and electrons in complexly strained microstructured quantum materials

16. **Hsu, Hsiu-Chuan**
    Spin current and internal Zeeman field in spin-orbit coupled rings

17. **Jibuti, Luka**
    Electronic theory for FFLO state in KF_2As_2 superconductor

18. **Kaib, David**
    Magnetoelastic effects in the Kitaev candidate material α-$RuCl_3$ from first principles

19. **Konieczna, Amanda**
    Toy model analysis of the influence of Off-Diagonal Coulomb terms in the Hubbard Hamiltonian

20. **Kopp, Marvin**
Investigating Eu based systems by Means of Nonlinear Transport, Fluctuation Spectroscopy and Micro-Hall-Magnetometry.

21. **Krebber, Sarah**
Magnetic and electronic structure of Eu(Cd,Zn)2P2

22. **Kumar, Sanjeev**
Interplay of Jahn-Teller distortions and spin-orbit coupling in t_{2g} systems

23. **Lacmann, Tom**
Pressure tuning of charge density waves in superconducting $BaNi_2(As_{1-x}P_x)_2$

24. **Lang, Michael**
Field-induced effects in the ferroelectric spin liquid candidate $PbCuTe_2O_6$

25. **Mojarro Ramirez, Miguel**
Tilted Dirac cones and topological transitions in strained kagome lattices

26. **Müller, Jens**
Slow Dynamics due to Electronic Ferroelectricity in Strongly-Correlated Molecular Conductors

27. **Möller, Marius**
Rethinking a-RuCl3 again

28. **Nediadath Sathyanadhan, Sangeetha**
Layered Mn-based 122 Pnictides: Magnetism, Structural phase transition and Strain

29. **O'Neil, Caitlin**
Measurements of the Young's modulus of Sr_2RuO_4 under uniaxial pressure using an AC stress-strain technique

30. **Ocker, Michelle**
Exploring the effect of different substitutions on the valence transition in $YbInCu_4$ single crystals

31. **Palan, Yash**
Multiband phonons interaction with a pseudo 1D CDW:

32. **Schindler, Paul Manuel**
Counter-Diabatic Driving in Periodically Driven Quantum Systems

33. **Sharma, Vishal Kumar**
Nonlinear spectroscopy for the detection of the momentum dependent Electron-Phonon Coupling: Theory and Experiment

34. **Song, Young-Joon**
DFT study on the valence transition in $EuPd_2Si_2$ under volume reduction

35. **Stangier, Veronika**
Cooper Pairing of Incoherent Electrons

36. **Steward, Charles**
Dynamic paramagnon-polarons in altermagnets

37. **Stilkerich, Nina**
Possible stress-driven spiral-to-Néel transition in the triangular antiferromagnet $PdCrO_2$

38. **Thomas, Teslin Rose**
Elastoresistance of the itinerant antiferromagnetic $(Ca,Sr)Co_2As_2$ system: analysis of different symmetry channels

39. **Thomson, Mark**
Disentangling the low-energy excitations during ultrafast relaxation in an organic-dimer Mott insulator

40. **Thyzel, Tim**
Noise spectroscopy near the pressure-tuned Mott transition

41. **Valadkhani, Adrian**
Effect of strain on various 122s and 1144s

42. **Walther, Franziska**
Searching for the critical endpoint in cobalt-doped $EuRh_2Si_2$

43. **Warawa, Konstantin**
Combined investigation of collective amplitude and phase modes in a quasi-one-dimensional charge-density-wave system over a wide spectral range

44. **Weber, Manuel**
Competing orders from a coupling to phonons

45. **Wolf, Bernd**
Tuning the ground state of $EuPd_2(Si_{1x}Ge_x)_2$ using He-gas pressure

46. **Ye, Mai**
Structural properties and diffuse scattering of $HgBa_2CuO_{4+\delta}$ under uniaxial compressive strain

47. **Ye, Mengxing**
Phonon dynamics in the Kitaev spin liquid

48. **Zimmermann, Jan Niklas**
Probing the electron-lattice coupling near the valence transition in $YbIn_{1x}Ag_xCu_4$