

Bonn-Cologne Graduate School of Physics and Astronomy

Poster Session

19 April 2024, 14.15 - 16.30 h

Posters



- 1: ALOKDA Toka "Identification of Protohalos with Deep Learning"
- 2: BETHAPUDI Suryarao "Testing dynamic source models of a repeating Fast Radio Burst"
- 3: BHATNAGAR Devika "Approximate N-body Simulations using Generative AI"
- 4: BÖHM Lennart "Investigating Chlorine chemistry with observations of HCl in star-forming regions"
- 5: CALZAVARA Martino "Optimizing optical potentials with physics-inspired learning algorithms"
- 6: CARDINAL TREMBLAY Jacob "Wide-band observations of pulsar radio emission"
- 7: CHAKI Subarna "Constraining the primordial power spectrum using a differentiable likelihood"
- 8: COLLESANO Laura "Energy landscapes of peptide-MHC binding"
- 9: COLOM I BERNADICH Miquel "MMGPS: science from binary discoveries"
- 10: DANNHAUER Simon "Unveiling Star Formation in the Milky Way: SOFIA's legacy in Cygnus X"
- 11: DIETL Jakob "Discovery of a >13 Mpc long X-ray filament between two galaxy clusters beyond three times their virial radii"
- 12: DUTTA Arunima "A study of the exotic pulsars in the Globular Cluster NGC 1851"
- 13: ERCOLINO Andrea "Interacting supernovae from wide massive binary systems"
- 14: GERLACH Lina "Understanding the molecular gas properties of galaxy mergers with little to no star formation"
- 15: GOH Mark "The overlap gap property limits limit swapping in QAQA"
- 16: GRISHUNIN Konstantin "A new survey of the molecular gas distribution in the LMC with APEX: first results"
- 17: GRUNTHAL Kathrin "Sensitivity curves of Pulsar Timing Arrays"
- 18: JESTE Manali "The Nearby Evolved Stars Survey (NESS)"
- 19: JIN Harim "Boron depletion in Galactic early B-type stars reveals two different main sequence star populations"
- 20: KAROUMPIS Christos "Line intensity mapping the epoch of reionization with FYST"
- 21: KHALATKAR Aditya "SYK model and some advancements in holography"
- 22: LAHIRI Adhishree "Investigation of the Cluster A3407 and The Surrounding Large-Scale Structure Using eROSITA Data"
- 23: LIMAYE Pranav "FRB-Pulsar connection through energy distribution study"
- 24: MANNES Caroline "Tracing the Full Length of the A3391/95 Intergalactic Medium Emission Filament"
- 25: MORENO Mateo "Fragility of surface states for in Non-Wigner-Dyson Topological Insulators"
- 26: ÖNER Oguz "Resurgence in topological field theories"
- 27: PANDYA Aditya "Examining cosmic (an)isotropy using velocity dispersion scaling relations of galaxy clusters"
- 28: PILLAY Denisha "MPIR-MeerKAT Galactic Plane Survey (MMGPS) I: System setup and early results"
- 29: PUTHALATH Fahad "Learning of highly resolved particle positions by Neural-network"
- 30: RANCHOD Shilpa "Investigating the Galactic latitude dependency of Faraday complexity"
- 31: SADWHANI Mahak "Evolution of tolerance in Neisseria gonorrhoeae under intermittent antibiotic exposure"
- 32: SCHWÄBIG Patrick "Implementing a two-level AI-enhanced particle detector trigger on a single chip"
- 33: SERGER Matthias "Prospective motion correction with 3D Orbital Navigators for robust and rapid susceptibility weighted imaging"
- 34: SINGIRIKONDA Haveesh "Effects of the Anisotropic Halo Assembly Bias on the Halo Bispectrum"
- 35: SPRENGER Tim "Double-lens Scintillometry: The variable scintillation of pulsar B1508+552"
- 36: SULZENAUER Nikolas "High noon for cosmic giants: beacons for massive galaxy formation from South Pole Telescope protocluster cores"
- 37: SÜSLÜ Can "SMEFT Interpretation of the tZq Production at the ATLAS Experiment at CERN"
- 38: TYAGI Abhinav (Denisha Pillay) "PulsarNet: A Novel Attention-based Neural Network to discover Pulsar Binaries"
- 39: VERONICA Angie "Large Scale X-ray Analysis of the Centaurus Galaxy Cluster"
- 40: WAGENVELD Jonah "Testing large scale cosmology with MeerKAT"
- 41: WATANABE Keito "Overcoming Challenges in Finding Ultra-High-Energy Cosmic Ray Sources with a Bayesian Hierarchical Framework: Impact of the Galactic magnetic field and mass composition"
- 42: WERNER David "Analysis of the 3α -decay of the O_2^+ state in carbon-12"
- 43: ZHANG Buchuan "Simulation of downhill skiing areas"
- 44: ZHAO Wenbin "Inflection point inflation and Modular invariant inflation in Supergravity"



<https://www.gradschool.physics.uni-bonn.de/poster-session>

