Session Program

Nov 24 – 27, 2022

26. Deutsche Physikerinnentagung 2022 (German Conference of Women in Physics)

Poster session

Karlsruhe Institute of Technology
https://www.kit.edu/campusplan

Sat, November 26

4:00 PM

Poster session

Poster Session |
Location: KIT Campus South, Foyer , KIT Campus map: https://www.kit.edu/campusplan/ Building: 30.22 Room: Foyer im 1. und 2. OG Address: Institute of Technology, Engesserstraße 7, 76131 Karlsruhe Coordinates: 49.01244, 8.41062

High-Frequency ESR Studies on the Frustrated quasi-1D Spin-1/2 Chain PbCuSeO$_4$(OH)$_2$

Speaker
Ms Rahel Ohlendorf

Temperature dependence of Raman scattering of Ge and GeSn layers

Speaker
Diana Ryzhak

Understanding jets of uniform helium droplets along their path of propagation

Speaker
Mrs Marie Louise Schubert

Rydberg atom interactions at the interface of an optical nanofiber

Speaker
Ms Aswathy Raj

Using Four-Wave Mixing in Thermal Vapours as a single photon source

Speaker
Clare Higgins

Hot Carrier Injection and Bias Temperature Instability in SiC Transistors

Speaker
Sophie Winkler

Development of Microfabrication processes for a scalable Multilayer Surface Electrode Ion Trap Quantum Computer

Speaker
Ms Nila Krishnakumar

Three-dimensional optical tomography of biomedical tissues

Speaker
Jasmin Schürstedt

Development of a tomography system for 3D imaging in the short-wave infrared (SWIR) spectral region

Speaker
Sylvia Steinecker

Phase-transition in MoTe2 tracked by time-of-flight momentum microscopy

Speaker
Olena Fedchenko

Flat-field correction for dynamic processes

Speaker
Thea Engler

Sensitivity studies for eV scale sterile neutrino searches with KATRIN

Speaker
Ms Shailaja Mohanty

The QSNET-Network of high-precision clocks and the quest for light dark matter.

Speaker
Saskia Kreienbaum

Development of an active transverse energy filter (aTEF) for background reduction at the KATRIN experiment

Speaker
Mrs Sonja Schneidewind

Optimizing TES detection systems for extremely low background dark matter searches

Speaker
Christina Schwemmbauer

Global fits for Dark Matter searches with GAMBIT

Speaker
Ms Sri Sankari alias Sowmiya Balan

Semi-visible Dark Matter Signatures

Speaker
Nicoline Hemme

Cloud response to volcanic eruptions

Speaker
Melina Sebisch

Simulating Arctic Clouds using the Numerical Weather Prediction Model ICON

Speaker
Gabriella Wallentin

Development of manufacturing processes for coordinate-based 3D µ-standarts

Speaker
Celina Hellmich

Towards dynamic measurements of individualized macromolecules

Speaker
Mrs Alaa Hassan

Controlling atomic interactions and collective effects in thermal vapor cells

Speaker
Annika Belz

Towards a pulsed beam of antihydrogen for tests of the Weak Equivalence Principle for antimatter

Speaker
Saiva Huck

Lattice-driven femtosecond magnon dynamics in α-MnTe investigated with linear spin wave theory

Speaker
Kira Deltenre

Direct spectroscopic identification of reactive metal-oxygen species

Speaker
Mayara da Silva Santos

The influence of displacement damage on helium interaction with and retention in tungsten

Speaker
Annemarie Kärcher

Characterization of the parameters for gas phase CaMn4O5 cluster. Sample preparation by mass spectrometry

Speaker
Ms Aryna A. Hreben

PHYSIKERINNEN: Zahlen und Fakten

Speaker
Dagmar Paarmann

Towards experimental detection of crystallization in individualized polymer chains

Speaker
Mr Wing Kit Or

2D spectroscopy for the Detection of Electron-Phonon Coupling in Perovskites and Cuperates

Speaker
Mr Vishal Kumar Sharma

Measuring correlated phases in encapsulated bilayer graphene via graphite contacts

Speaker
Ms Isabell Weimer

Development of a highly efficient Bessel beam light sheet microscope

Speaker
van Merwyk Luis

Droplets evaporation on chemically patterned surfaces

Speaker
Zhang Hongmin

Viscous Fingering Modelling via Phase Field Approach

Speaker
Shan Lyu

APPLICATION/TECHNOLOGY-INSPIRED DESIGN OF QUANTUM DOT MODELS FOR ELECTRON DYNAMICS SIMULATIONS

Speaker
Sara Marando

Current-driven writing process in antiferromagnetic Mn2Au for memory applications

Speaker
Dr Yaryna Lytvynenko

Traveling wave parametric amplifiers for microwave quantum optics

Speaker
Sina Böhling

A New Beam Halo Veto Detector for the MAGIX Experiment

Speaker
Judith Schlaadt

Designing an experiment for four-wave mixing with optical nanofiber evanescent dipole-trapped atoms.

Speaker
Mr Zohreh Shahrabifarahani

Time-resolved second-harmonic imaging microscopy: ultrafast processes in ultrathin materials

Speaker
Marleen Axt

Numerical simulation of topologically optimized open-pore metal foams using a phase-field approach

Speaker
Jana Holland-Cunz

Matter-Antimatter Asymmetry and Composite Higgs Models

Speaker
Aika Tada

A Graphical Formalism for Entanglement Purification

Speaker
Lina Vandré

Narrow-linewidth Laser Systems for the 1S0-3P2 and 1S0-3P0 Clock Transitions in Strontium

Speaker
Alexandra Beikert

Towards switchable photon-photon interactions

Speaker
Ms Karen Wadenpfuhl

Steady-state operation of a cell-free genetic band-detection circuit

Speaker
Anna Jäkel

A Look at General Neutrino Interactions with KATRIN Data

Speaker
Caroline Fengler

Momentum-resolved hard X-ray photoemission

6:00 PM

Speaker
Dr Olena Tkach