

SCIENCE FAIR 2024

Mittwoch, 13. November von 13 bis 16 Uhr im Foyer der Schellingstraße 4

Lehrstuhl / department	AG Braun
Anzahl Poster / amount of posters	1
Titel / Title	The Origin of Life - Biophysics of molecular Evolution
Who will present the poster(s):	
Name 1	Dr. Maximilian Weingart
Name 2	Almuth Schmid
Name 3	Paula Aikkila
Lehrstuhl / department	AG Tim Liedl
Anzahl Poster / amount of posters	1
Titel / Title 1	Self-assembling Photonic Crystals from DNA Origami
Who will present the poster(s):	
Name 1	Xin Yin
Lehrstuhl / department	Medical Physics
Anzahl Poster / amount of posters	2
Titel / Title 1	Novel SIRMIO PET scanner for in-beam range verification in small animal radiation research
Titel / Title 2	Dual-energy X-ray Imaging for Tumour Tracking
Who will present the poster(s):	
Name 1	Francesco Evangelista, PhD student
Name 2	Nawal Algethami, PhD student
Lehrstuhl / department	LS Mayer
Anzahl Poster / amount of posters	2
Titel / Title 1	Interaction between Radiation and Clouds in Numerical Weather Forecast Models
Titel / Title 2	Remote sensing of clouds with spectral and polarimetric aircraft observations
Who will present the poster(s):	
Name 1	Richard Maier, Mihael Manev
Name 2	Lea Volkmer, Veronika Pörtge
Lehrstuhl / department	LS Hänsch, Qlibri
Anzahl Poster / amount of posters	2
Titel / Title 1	Cryogenic Micro-Cavity Quantum Optics Platform
Titel / Title 2	Cavity-enhanced absorption measurements of nanoscale structures
Who will present the poster(s):	
Name 1	Ayesha Khan
Name 2	Ines Amersdorffer

Lehrstuhl / department	LS Didaktik der Physik
Anzahl Poster / amount of posters	2
Titel / Title 1	Advanced Use of AI in Physics Education
Titel / Title 2	AUGMENTED REALITY APPLICATIONS WITH CUTTING-EDGE TECHNOLOGIES IN TODAY'S PHYSICS EDUCATION
Who will present the poster(s):	
Name 1	Dr. Verena Ruf
Name 2	Nina Peltzer
Name 3	Raphael Cera

Lehrstuhl / department	Experimentalphysik - Elementarteilchenphysik
Anzahl Poster / amount of posters	1
Titel / Title 1	Particle Physics Analyses and Machine Learning at the AG Kuhr
Who will present the poster(s):	
Name 1	David Giese
Name 2	Eylül Ünlü

Lehrstuhl / department	Theoretical Nanophysics
Anzahl Poster / amount of posters	3
Titel / Title 1	Interplay of free and paired holes in antiferromagnets
Titel / Title 2	Emergent spinon-holon Feshbach resonance in a doped Majumdar-Ghosh model
Titel / Title 3	Transformer neural networks and quantum simulators: a hybrid approach to strongly correlated systems
Who will present the poster(s):	
Name 1	Pit Bermes
Name 2	Simon Linsel
Name 3	Hannah Lange

Lehrstuhl / department	Monika Aidelsburger
Anzahl Poster / amount of posters	2
Titel / Title 1	YDFC: A novel double frequency optical atomic clock
Titel / Title 2	Rydyb: Alternative qubit platform based on fermionic Yb-171 atoms
Who will present the poster(s):	
Name 1	Kunal Singh
Name 2	Bodo Kaiser

Lehrstuhl / department	Harald Weinfurter
Anzahl Poster / amount of posters	1
Titel / Title 1	From Foundations to Secure Communication
Who will present the poster(s):	
Name 1	Malik Pooja

Lehrstuhl / department	LS für med Physik / Centre for Advanced Laser Applications (CALA) am Standort Garching
Anzahl Poster / amount of posters	1
Titel /Title 1	Laser-Ion Acceleration and applications at CALA
Titel /Title 2	Laser-driven electron acceleration and X-rays at CALA
Titel / Title 3	The ATLAS-3000 Laser
Who will present the poster(s):	
Name 1	Jörg Schreiber
Name 2	Florian Schweiger
Name 3	Timo Pohle
Name 4	Nils Weisse

Lehrstuhl / department	Lehrstuhl für Photonik und Optoelektronik (Prof. Feldmann)
Anzahl Poster / amount of posters	1
Titel / Title 1	Optical Spectroscopy and Functionalization of Colloidal Quantum Dot
Who will present the poster(s):	
Name 1	Julian Mann
Name 2	Lena Stickel

Lehrstuhl / department	Prof. Dr. Ralf Jungmann Chair for Molecular Physics of Life
Anzahl Poster / amount of posters	1
Titel /Title 1	"Super-resolution microscopy DNA-nanotechnology Single-molecule studies"
Who will present the poster(s):	
Name 1	Eva Schentarra
Name 2	Luciano Masullo
Name 3	Rafal Kowalewski
Name 4	Susanne Reinhardt

Lehrstuhl / department	LS Rädler
Anzahl Poster / amount of posters	2
Titel /Title 1	From two to three cells: are three-body interactions important in collective cell migration?
Titel /Title 2	Diffusion in Lipid Nanoparticle Bulkphases
Who will present the poster(s):	
Name 1	Agathe Jouneau
Name 2	Dorothea Hofer