

## Posters

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Rogério Capobianco	<b>Spontaneous scalarization of self-gravitating magnetic fields</b>
Marian Cepok	<b>Entangled clock networks in gravity</b>
Leonardo Chataignier	<b>Beyond semiclassical time - dynamics and quantum diffeomorphism invariance</b>
Ruken Asya Ciftci	<b>Measurement of Time and Poincaré's Convolutd Position in the Theory of Special Relativity</b>
Daniel Derr	<b>Atom Interferometric Detection of Dark Matter</b>
M. Kemal Döner	<b>Gravitational decoherence from coherent matter-light interactions as a causal consistency requirement for gravity induced entanglement</b>
Max Joseph Fahn	<b>A gravitationally induced decoherence model in the relational formalism</b>
Ricardo Faleiro	<b>Connecting timelike and spacelike correlations in cooperation games</b>
Bennet Grützner	<b>Relativistic Perturbation Theory of Schwarzschild Geodesics</b>
Maria Jose Guzman Monsalve	<b>The premetric approach in teleparallel gravity</b>
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## Posters

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Joost Hinrichs	Compact rack-integrated UV laser system for a transportable Al <sup>+</sup> quantum logic optical clock
Huanchen Hu	Gravity experiments in strong fields using pulsars as clocks
Fernando Izaurieta	Some Questions on the Problem of Time and Quantum Mechanics
Fech Scen Khoo	Quasinormal modes of Kerr-Newman black holes in slow rotation
Timm Kielinski	Optimal Ramsey Protocols in Ion Clocks
Nadja Magalhaes	Time, spacetime and quantum mechanics
Giulia Maniccia	WKB decomposition of classical and quantum gravitational degrees of freedom for the QFT-CS limit from Quantum Gravity
Luca Marchetti	Time and relationality from an emergent quantum gravity perspective
Lucía Menéndez-Pidal	Unitarity, singularity resolution, and clock choices in quantum cosmology
Lisa Mickel	Quantum gravity and cosmological perturbations: Effects of a modified Friedmann equation on the evolution of gauge-invariant perturbations
Constantin Nauk	Progress on PTB's transportable Al <sup>+</sup> ion clock

## Posters

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Laxmipriya Pati	Hamilton's equations in the (covariant) teleparallel equivalent of general relativity
Nikola Paunković	Distinguishing between definite and superposed causal orders
Andrea Russo	Quantum relational field theory
Patrik Schach	Tunneling of clocks
Maja Scharnagel	Ramsey interferometry with optimally twisted states and measurements
Sebastian Schuster	Relational Dynamics and Time Travel
Sebastiano Segreto	Extended GUP quantization of the FLRW Universe
Harkirat Singh Sahota	Quantum cosmology with fluid clock: Implications for the dressed metric approach
Mritunjay Tyagi	Entanglement entropy and the emergence of an arrow of time in Wheeler-DeWitt Quantum Cosmology
Linda van Manen	The effect of gravitational waves on an atom
Tatevik Vardanyan	Quantum-gravitational corrections in a closed universe
Marko Vojinovic	Operational verification of the existence of time and space

## Posters

Michael Werner

**Systematic description of matter wave interferometers using elastic scattering in weakly curved spacetimes**

Aneta Wojnar

**Matter and gravity**

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**Towards a molecular ion clock**

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**Quantum measurements, energy conservation and quantum clocks**