

7th TUX WORKSHOP ON QUANTUM GRAVITY

February 11 – 15, 2019

Tux, Austria

Program, Feb 12



UNIWERSYTET
WARSZAWSKI



FRIEDRICH-ALEXANDER
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Die Universität der Informationsgesellschaft



Universität Regensburg

	Monday	Tuesday	Wednesday	Thursday	Friday
13:30-14:10	<i>Jorge Pullin</i> Loop quantum gravity for axisymmetric spacetimes	<i>Guillermo Mena Marugán</i> Perturbations in Hybrid Loop Quantum Cosmology: Continuum Limit in Fourier Space	<i>Anupam Mazumdar</i> Confronting Quantum Gravity in a Laboratory	<i>Florian Hopfmüller</i> Holographic Renormalization in Flat Space: Symplectic Potential and Charges of Electromagnetism	<i>Tomasz Trzesniewski</i> Field theory with compact phase space
14:10-14:50	<i>Mehdi Assanioussi</i> Investigating Hamiltonian regularizations in LQG using symmetry reduced models	<i>Beatriz Elizaga Navascu</i> Hamiltonian diagonalization in hybrid quantum cosmology	<i>Philipp Höhn</i> From quantum reference systems to quantum general covariance	<i>Gaoping Long</i> Coherent intertwiner solutions of simplicity constraints in all dimensional loop quantum gravity	<i>Denis Dobkowski-Rylko</i> Petrov type D equation on the Hopf Bundle
14:50-15:20	Coffee Break (30 min)				
15:20-16:00	<i>Cong Zhang</i> A model of bouncing evolution from full loop quantum gravity	<i>Natascha Riahi</i> On solutions for unimodular quantum cosmology	<i>Igor Kanatsikov</i> On the Schroedinger wave functional and precanonical quantization in curved space-time	<i>Sergio Hörtner</i> Gravitational duality near cosmological space-times	<i>Johannes Münch</i> Effective Quantum Extended Spacetime of Polymer Schwarzschild Black Hole
16:00-16:40	<i>Andreas Rabenstein</i> Entanglement Entropy in SU(N) Yang-Mills theory	<i>Pascal Fries</i> Code properties of states in lattice gauge theory	<i>Andrzej Dragan</i> Computing by moving	<i>Maciej Kolanowski</i> Conformally covariant quantum states given on conformal Killing horizons	<i>Stratos Pateloudis</i> Matrix Models: an introduction
16:40-17:10	Coffee Break (30 min)				
17:10-17:50	<i>Vaclav Zatloukal</i> Quantum physics with real Clifford algebra and its relation with gravity	<i>Saeed Rastgoo</i> Interior of Schwarzschild: further quantum corrections, issues and remedies	<i>General discussion</i>	<i>Thomas Zilker</i> Quantum surface holonomies	<i>Fabio Mele</i> Is limiting curvature mimetic gravity an effective polymer quantum gravity?
17:50-18:30	<i>General discussion</i>	<i>General discussion</i>	18:30: Joint walk to Höllensteinhütte, starting at conference venue	<i>General discussion</i>	<i>General discussion</i>
18:30-End	<i>General discussion</i>	<i>General discussion</i>	Conference Dinner 19:15, Höllensteinhütte, Lanersbach 510 (far!)	<i>General discussion</i>	<i>General discussion</i>

Startup dinner: Sunday, Feb 10, 18:30, in "Tuxer Grillkuchl", Lanersbach 381.