

8th TUX WORKSHOP ON QUANTUM GRAVITY

February 10 – 14, 2020

Tux, Austria
Program, Feb 4



UNIWERSYTET
WARSZAWSKI



FRIEDRICH-ALEXANDER
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Die Universität der Informationsgesellschaft



Universität Regensburg

	Monday	Tuesday	Wednesday	Thursday	Friday
14:00-14:40	<i>Jorge Pullin</i> Critical collapse of a scalar field in semiclassical loop quantum gravity	<i>Guillermo Mena-Marugan</i> Asymptotic Hamiltonian diagonalization in hybrid quantum cosmology	<i>Konstantin Eder</i> Towards a manifestly supersymmetric formulation of loop quantum supergravity theories	<i>Maciej Dunajski</i> Conformal Geodesics	<i>Igor Kanattsikov</i> On the quantum state of Minkowski space-time from the point of view of precanonical quantization.
14:40-15:10	Coffee Break (30 min)				
15:10-15:50	<i>Johannes Münch</i> Effective LQG Black Holes II	<i>Beatriz Elizaga</i> Unique fermionic vacuum in de Sitter spacetime from hybrid quantum cosmology	<i>Wolfgang Wieland</i> TBA	<i>Tomasz Trzesniewski</i> From gauge theory to entanglement and back again	<i>Mehdi Assanioussi</i> GFT thermal representations and applications
15:50-16:30	<i>Fabio Mele</i> Effective LQG Black Holes I	<i>Fabian Haneder</i> Exact Coarse Graining and Renormalisation Group Flow for SU(1,1) Perelomov Coherent States	<i>Gaoping Long</i> A parametrization of discrete SO(D+1) phase space of all dimensional loop quantum gravity	<i>Kunihito Uzawa</i> Slow-roll inflation and the swampland	<i>Andrea Dapor</i> Gravitational Waves from Loop Quantum Gravity Effective Dynamics
16:30-17:00	Coffee Break (30 min)				
17:00-17:40	<i>Lisa Mickel</i> Analysis of LQG Hamiltonians in effective models of Schwarzschild black hole interior	<i>Alejandro Garcia-Quismondo</i> Modified loop quantum cosmology of Bianchi I spacetimes	<i>Charles Beil</i> Quantum gravity from positive dimensional spacetime points	<i>Maciej Kolanowski</i> Thermodynamics of nearly extremal black holes	<i>Ahmad AL Badawi</i> Solution of Dirac equation and greybody radiation around a regular Bardeen black hole surrounded by quintessence
17:40-18:20	<i>Cong Zhang</i> Quantum geometry and effective dynamics of Janis-Newman-Winicour singularities	<i>Andrzej Dragan</i> Why devil plays dice?	18:30: Joint walk to Höllensteinhütte, starting at conference venue	<i>Daniele Oriti</i> Group field theory condensate cosmology: introduction and overview of results	<i>General discussion</i>
18:20-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 09, 18:30, in "Tuxer Grillkuchl", Lanersbach 381.