Afternoon parallel sessions

D) and B) refer to the rooms Descartes and Buisson

Monday 18		Tuesday 19		Thursday 21		Friday 22	
D) Black holes	**B) Quantum gravity amplitudes**	**D) Cosmology and pheno**	**B) Quantum information and quantum gravity in the lab**	**D) Mathematical GR**	**B) Quantum cosmology and black holes**	**D) Structure of quantum gravity**	**B) Models and numerics**
3:20 pm - 3:50 pm **Jibril Ben Achour (featured)** *Exploring black holes in modified gravity*	3:20 pm - 3:35 pm **Alexander Jercher** *Causal structure in the complete Barrett-Crane model*	3:20 pm - 3:50 pm **Aurelien Barrau (featured)** *Some aspects of LQG phenomenology*	3:20 pm - 3:35 pm **Iñaki Garay** *Classical dynamics for a simple model in loop quantum gravity*	3:20 pm - 3:50 pm **Jerzy Lewandowski (featured)** *Equations of isolated horizons*	3:20 pm - 3:35 pm **Stefan Weigl** *On consistent gauge-fixing conditions in polymerized gravitational systems*	2 pm - 2:30 pm **Maïté Dupuis (featured)** *q-deformed LQG - An overview*	2 pm - 2:15 pm **Jose Diogo Simao** *Towards a hybrid algorithm for spin-foam amplitudes*
	3:35 pm - 3:50 pm **Tobias Bommer** *Timelike faces and lightlike vectors within the CH-extended EPRL model asymptotics*		3:35 pm - 3:50 pm **Max Joseph Fahn** *A master equation for gravitationally induced decoherence of a scalar field using Ashtekar variables*		3:35 pm - 3:50 pm **Konstantin Eder** *Towards black hole entropy in chiral loop quantum supergravity*		2:15 pm - 2:30 pm **Pietropaolo Frisoni** *Recent advances in numerical loop quantum gravity*
3:50 pm - 4:05 pm **Edward Wilson-Ewing** *Shock waves from quantum black holes*	3:50 pm - 4:05 pm **Seth Asante** *Gravity dynamics from effective spin foam models*	3:50 pm - 4:05 pm **Francesca Vidotto** *Computing the primordial quantum fluctuations with the full covariant theory*	3:50 pm - 4:05 pm **Michael Kobler** *A decoherence model in polymerised open quantum mechanics*	3:50 pm - 4:05 pm **Fernando Barbero** *Consistent and non-consistent deformations of gravitational theories*	3:50 pm - 4:05 pm **Andrea Calcinari** *Towards anisotropic cosmology in group field theory*	2:30 pm - 2:45 pm **Qiaoyin Pan** *q-deformed LQG with a cosmological constant*	2:30 pm - 2:45 pm **Hal Haggard** *Quantization of the volume of a grain of space: tunneling between Euclidean and Lorentzian tetrahedra*
4:05 pm - 4:20 pm **Yuki Yokokura** *Black hole as a bound state of semi-classical degrees of freedom*	4:05 pm - 4:20 pm **Johanna Borissova** *Towards a continuum effective action for spin foams*	4:05 pm - 4:20 pm **Alejandro Perez** *Seeds for cosmic structure from Planckian discreteness*	4:05 pm - 4:20 pm **Marios Christodoulou** *The search for a table-top signature of quantum gravity*	4:05 pm - 4:20 pm **Gloria Odak** *Brown-York charges with mixed boundary conditions*	4:05 pm - 4:20 pm **Xiankai Pang** *Late time cosmological acceleration from group field theory*	2:45 pm - 3 pm **Vinicius M. Gomes da Silveira** *Holonomy observables for the Turaev-Viro model*	2:45 pm - 3 pm **Mehdi Assanioussi** *The loop representation and r-Fock measures*
4:20 pm - 4:35 pm **Farshid Soltani** *Black to white hole transition*	4:20 pm - 4:35 pm **Athanasios Kogios** *On the continuum limit of spin foams: graviton dynamics and area metric induced corrections*	4:20 pm - 4:35 pm **Källan Berglund** *Quasinormal mode predictions methods for modified black hole spacetimes*	4:20 pm - 4:35 pm **Dimitrios Kranas** *Quantum aspects of stimulated Hawking radiation in an optical analog white-black hole pair*	4:20 pm - 4:35 pm **Antoine Rignon-Bret** *Analogy to 2nd law of thermo. from the Noether current associated to the symmetries of open systems*	4:20 pm - 4:35 pm **Lisa Mickel** *Scalar perturbations in cosmological scenarios with a modified Friedmann equation*	3 pm - 3:15 pm **Florian Girelli** *When category theory enters your field, it is time to leave it*	3 pm - 3:15 pm **Ilkka Mäkinen** *Scalar curvature operator for loop quantum gravity on a cubical graph*
4:35 pm - 4:50 pm **Rodrigo Eyheralde** *Hawking radiation from a sandwich evaporating black hole*	4:35 pm - 4:50 pm **Hongguang Liu** *Lefschetz thimbles, complex critical points and curved geometries in Lorentzian spinfoam model*	4:35 pm - 4:50 pm **José Padua-Argüelles** *Challenges for Lorentzian path integrals in quantum gravity/cosmology*	4:35 pm - 4:50 pm **Simon Langenscheidt** *Boundary-to-boundary isometry in superposed random spin tensor networks*	4:35 pm - 4:50 pm **Wolfgang Wieland** *Metriplectic geometry for local gravitational subsystems*	4:35 pm - 4:50 pm **Francesco Sartini** *Hidden symmetries in black holes*	3:15 pm - 3:30 pm **Hank Chen** *Categorified phase space and spinning geometries*	3:15 pm - 3:30 pm **Sepideh Bakhoda** *The U(1)^3 model of Euclidean quantum gravity*
5 pm - 5:15 pm **Jinzhao Wang** *Demystifying the replica trick calculation of the entropy of Hawking radiation*	5 pm - 5:15 pm **Simone Speziale** *Simplicity without simplicity constraints*	5 pm - 5:15 pm **Álvaro Álvarez-Domínguez** *Cosmological vacuum ambiguities and the quantum kinetic approach*	5 pm - 5:15 pm **Qian Chen** *Coarse-graining: holonomy operators and spin network entanglement*	5 pm - 5:15 pm **Michele Schiavina** *"Algebroid" structures for constraint sets and the B(F)V formalism: disambiguation for general relativity*	5 pm - 5:15 pm **Alejandro Corichi** *Phase spaces for black hole horizons*	3:30 pm - 3:45 pm **Marko Vojinovic** *Coupling matter to spin-foam models using higher gauge theory*	3:30 pm - 3:45 pm **Deepak Vaid** *Coherent states and particle scattering in loop quantum gravity*
5:15 pm - 5:30 pm **Eugenia Colafranceschi** *Modelling black hole horizons via random spin networks*	5:15 pm - 5:30 pm **Sebastian Steinhaus** *Towards "matter matters" in spin foam quantum gravity*	5:15 pm - 5:30 pm **Tomasz Pawłowski** *Semiclassical states, high order quantum corrections and cosmology*	5:15 pm - 5:30 pm **Christophe Goeller** *Dynamical reference frames: gauge invariant observables, general covariance and locality*	5:15 pm - 5:30 pm **Hanno Sahlmann** *Fun with fermions*	5:15 pm - 5:30 pm **Anzhong Wang** *Analytical studies of power spectra and non-Gaussianity of loop quantum cosmological perturbations*	3:45 pm - 4 pm **Robert Seeger** *Revisiting loop quantum gravity with selfdual variables*	3:45 pm - 4 pm **Pierre Martin-Dussaud** *Causal structure in spin-foams*
5:30 pm - 5:45 pm **Yili Wang** *Spherically-symmetric geometries in a matter reference frame as quantum gravity condensates*	5:30 pm - 5:45 pm **Andreas Pithis** *Towards the phase structure of the complete Lorentzian Barrett-Crane model*	5:30 pm - 5:45 pm **Rita Neves** *States of low energy and alleviation of anomalies in loop quantum cosmology*	5:30 pm - 5:45 pm **Fabio Mele** *Quantum frame relativity of subsystem correlations and (thermo)dynamics*	5:30 pm - 5:45 pm **Vesselin Gueorguiev** *Reparametrization invariance and some of the key properties of physical systems*	5:30 pm - 5:45 pm **Johannes Münch** *The physical relevance of the fiducial cell in loop quantum cosmology*		
5:45 pm - 6 pm **Michał Bobula** *Radiation in quantum gravitational collapse*	5:45 pm - 6 pm **Roukaya Dekhil** *A new spin-foam model based on edge vectors*	5:45 pm - 6 pm **Lautaro Amadei** *The landscape of polymer quantum cosmology*	5:45 pm - 6 pm **Jakub Mielczarek** *Tying the loops on quantum simulators*	5:45 pm - 6 pm **Juan Margalef** *On the on-shell equivalence of general relativity and Holst theory*	5:45 pm - 6 pm **Maciej Kowalczyk** *Prescriptions and analytic control over quantum dynamics in loop quantum cosmology*		
6 pm - 6:15 pm **Ian Bornhoeft** *Residual diffeomorphisms in Kantowksi-Sachs spacetime*	6 pm - 6:15 pm **Steffen Gielen** *Dirac quantisation and deparametrisation in group field theory*	6 pm - 6:15 pm **Luca Marchetti** *Cosmological inhomogeneities and relational perturbations of quantum gravity condensates*	6 pm - 6:15 pm **Grzegorz Czelusta** *Quantum simulations of loop quantum gravity*	6 pm - 6:15 pm **Javier Peraza** *Phase space extensions at null infinity for gravity and gauge theories*	6 pm - 6:15 pm **Lucía Menéndez-Pidal** *Unitarity and clock dependence in quantum cosmology*		
6:15 pm - 6:30 pm **Rafael Guolo Dias** *Diffeomorphism covariant dynamics in quantum Kantowski-Sachs*	6:15 pm - 6:30 pm **Gabriel Schmid** *Transition amplitudes and holography in the coloured Boulatov-Ooguri model*			6:15 pm - 6:30 pm **Seth Major** *On energy and statistical models for constantly accelerating observers in black hole spacetimes*	6:15 pm - 6:30 pm **Sami Viollet** *Ambiguities in polymer quantum black hole*		