

Program for «Gravity in Qubits»

| @ RCQI, Bratislava | @ SAS Congress Center, Smolenice | | |
|---|--|--|---|
| Wed 21 Nov | Thu 22 Nov | Fri 23 Nov | Sat 24 Nov |
| | 8:00 Shuttle bus to Smolenice | Breakfast | Breakfast |
| | 10:00-10:45 Marios Christodoulou <i>Gravity induced entanglement in relativity and the opportunity for probing physics at the Planck timescale.</i> | 9:30-10:15 Robert Oeckl <i>A universal framework for quantum theory: from qubits to quantum gravity</i> | 9.00-9:45 Fabio Sciarrino <i>Panoramic view on the kind of processes we can simulate with « Photonic Quantum Walks »</i> |
| | 10:45-11:30 Caslav Brukner | 10:15-11:00 Pablo Arrighi <i>Quantum Causal Graph Dynamics</i> | 9:45-10:30 Mario Ziman |
| Lunch at SAS Campus | Coffee break | Coffee break | Coffee break |
| 15:00pm - 15:30pm QSS Overview / Welcome | 11:45-12:30 Eugenio Bianchi <i>Entanglement in loop quantum gravity</i> | 11:15-12:00 Jakub Mielczarek <i>Quantum Gravity on a Quantum Chip</i> | 11:00-12:00 Drafting the QSS proposal |
| 15:30 -16:15 Philip Walther | 12:30-14:00 Lunch | 12:00-14:00 Lunch | 12:00-14:00 Lunch |
| 16:15-17:00 Carlo Rovelli <i>Loop Quantum gravity transition amplitudes and Black Hole Astrophysics.</i> | 14:00-16:00 Drafting the QSS proposal | 14:00-18:00 Collaborations / Work groups | 14:00-16:00 Collaborations / Work groups |
| Coffee break | Coffee break | | |
| 17:15-18:00 Ognyan Oreshkov <i>Time-delocalized quantum subsystems and causal nonseparability</i> | 16:30-17:15 Andrej Gendiar | | |
| 19:00 Dinner in town | 19:00 Dinner | 19:00 Dinner | |