MINI-WORKSHOP on
THEORETICAL CONDENSED MATTER PHYSICS

Instituto Superior Técnico Sala de Reuniões, Departamento de Física

December 18, 2015

9:10-9:40 Linhu Lin, “Topological invariant of phase transition points in one dimensional lattice models”
9:40-10:10 João Braz, “Valley-polarized magnetic state in hole-doped transition metal dichalcogenides”
10:10-10:40 Nikola Paunkovic, “Commitment protocols based on quantum complementarity”

11:00-11:30 Yasser Omar, “Quantum Information meets Condensed Matter”
11:30-12:00 Alexey Shakirov, “Modeling coherence effects in inelastic tunneling through open quantum systems”

14:00-15:00 Vitalii Dugaev, “Shot noise in magnetic tunneling structures”
15:00-15:30 Sofia Ribeiro, “Cooling Graphene With Vacuum Forces”

15:50-16:20 Zhenhua Wang, “Magnetic field and strain manipulation of Majorana fermions in graphene”
16:20-16:50 Leonardo Novo, “Simulating gauge fields in 2D systems using integrated quantum photonics”
16:50-17:20 Bruno Mera, “Properties of some Hamiltonians describing topologically non-trivial fermionic systems”

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