

NMR-QIP *in Rio*

Centro Brasileiro de Pesquisas Físicas, Rio de Janeiro 27th – 29th November 2013

CONFERENCE PROGRAM

	27/11 - Wednesday	28/11 - Thursday	29/11 - Friday
08:00-09:00	Registration & Opening I.S. Oliveira – CBPF, BRAZIL		
09:00-09:50	R. Laflamme: <i>Experimental quantum error correction.</i> UNIV. WATERLOO – CANADA	D. Suter: <i>Towards robust quantum computing: protecting qubits and Gates from a noisy environment.</i> TECH. UNI. DORMUND - GERMANY	E.R. de Azevedo: <i>General quantum correlations in NMR.</i> IFSC - BRAZIL
09:50-10:40	D.O. Soares-Pinto: <i>Experimental quantum estimation using NMR.</i> IFSC – BRAZIL	I. Roditi: <i>Bifurcation and spin-squeezing in NMR.</i> CBPF - BRAZIL	J. Morton: <i>Qubits based on donor nuclear spins in silicon.</i> UNIV. COLLEGE, LONDON - ENGLAND
10:40-11:10	Coffee-Break	Coffee-Break	Coffee-Break
11:10-12:00	J. Goold: <i>Directions in quantum thermodynamics of non equilibrium systems</i> UNIV. OXFORD - ENGLAND	K. Modi: <i>Power of one qubit in quantum computation and quantum metrology</i> UNIV. OXFORD - ENGLAND	M.S. Sarandy: <i>Observation of environment-induced double sudden transitions in geometric quantum correlations.</i> UNIV. FED. FLUMINENSE - BRAZIL
12:00-12:50	K. Itoh: <i>Silicon NMR quantum information processing.</i> KEIO UNIV. - JAPAN	J. Baugh: <i>Noisy spectroscopy using a continuous driving Field.</i> UNIV. WATERLOO - CANADA	X. Peng: <i>Experimental spin-based quantum Simulator: towards simulating many-body physics.</i> UNIV. SCI. TECH. CHINA
12:50-14:30	Lunch	Lunch	Lunch
14:30-15:20	M. Paternostro: <i>On the link between non-Markovianity and extended Bell inequalities in time.</i> QUEENS UNIV. – UK	SOCIAL EVENT VISIT TO SUGAR-LOAF AND BARBECUE AT CBPF	R. Marx: <i>NMR Quantum Computing: Molecules, pulses, and algorithms</i> TECH. UNIV. MUCHEM – GERMANY
15:20-16:10	M. Nakahara: <i>Concatenated composite pulses.</i> KINKI UNIV. - JAPAN		R.M. Serra: <i>Observing non-equilibrium quantum thermodynamics features in a reliable way.</i> UNIV. FED. ABC - BRAZIL
16:10-ON	Coffee-Break & Poster Section		Closing I.S. Oliveira – CBPF, BRAZIL