

Bristol QAP workshop: Non-locality and Quantum Physics

Friday 20 th		Saturday 21 st	Sunday 22 nd
9:00am	Welcome	Meet outside	Harry Bruhman
9:30am	Serge Massar A general introduction to non locality	Excursion/Discussions	Julia Kempe On the power of entangled quantum provers
10:00am	Jonathan Oppenheim Twisted ebits		Norbert Schuch The computational complexity of PEPS
10:30am	Tea/Coffee break	Tea/Coffee break	Tea/Coffee break
11:00am	Marek Zukowski On multisetting Bell inequalities	Excursion/Discussions	André Méthot No nonlocal box is universal
11:30am			Miguel Navascués Pure state estimation and the characterization of entanglement
12:00pm			
12:30pm	Lunch		Lunch
1:00pm		Excursion/Discussions	
1:30pm			
2:00pm	Michał Horodecki		Nicolas Gisin Bell inequalities: many questions, a few answers
2:30pm	Ben Toner De Finetti theorems for no-signalling conditional probability distributions		Lluis Masanes All entangled states display some hidden nonlocality
3:00pm	Toni Acín Noise robustness of the nonlocality of entangled quantum states		Oded Regev Simulating quantum correlations with finite communication
3:30pm	Tea/Coffee break	Tea/Coffee break	Tea/Coffee break
4:00pm	Joonwoo Bae Asymptotic quantum cloning is state estimation	Excursion/Discussions	Thomas Schulte-Herbrueggen Which multi-qubit interactions can be refocussed by local controls?
4:30pm	Wim van Dam Multiparty quantum communication and quantum algorithms on data streams		
5:00pm		Workshop Dinner, Bordeaux Quay	
8:00pm			