

Discussion Meeting on Quantum Mechanics

January 19, 2017

Convenor: Prof. Archan S. Majumdar

PI, DST Project on “Fundamental aspects of Quantum Theory & quantum Information”

PROGRAM

	Speaker	Time	Title
<p>Session Chair: <i>Prof. Dipankar Home</i></p>	John Corbett <i>(Institute Colloquium)</i>	10.00 – 10.45	Is standard quantum mechanics enough ?
	C. Jebaratnam	10.45 – 11.15	Superlocality as an operational definition of nonclassicality going beyond nonlocality
	<i>Tea/Coffee</i>	11.15 -- 11.45	
	Nirman Ganguly	11.45 – 12.15	Violation of Bell-CHSH inequality under global unitary operations
	Shiladitya Mal	12.15 – 12.35	Sharing of nonlocality of a single member of an entangled pair is not possible by more than two unbiased observers
	<i>Lunch</i>	12.35 – 14.00	
	<p>Session Chair: <i>Prof. John Corbett</i></p>	Debarshi Das	14.00 – 14.20
Shounak Datta		14.20 – 14.40	Preservation of lower bound of quantum secret key rate in the presence of decoherence
Som Kanjilal		14.40 – 15.00	Pointer state correlation in weak measurement
<i>Tea/Coffee</i>		15.00 – 15.30	
Suchetata Goswami		15.30 – 15.50	Generation of quantum correlations using cloning operations
Souradeep Sasmal		15.50 – 16.10	A proposed steering criterion using generalized uncertainty relation