

Discussion Meeting on Quantum Mechanics

S. N. Bose National Centre for Basic Sciences, FERMION

December 7, 2015

Program

9.00 – 9.30 : Registration

Session I: Chair: D. Home

9.30 – 9.40 : Inauguration

9.40 – 10.40 : *Keynote Lecture: P. Busch, “Quantum measurement uncertainty – recent developments”*

10.40 – 11.10 : Tea & Group Photograph

Session II: Chair: G. Kar

11.10 – 11.40 : D. Sarkar, “*Correlations – entanglement and beyond entanglement*”

11.40 – 12.05 : N. Ganguly, “*Existence of Hermitian operators to detect non-absolutely separable states*”

12.05 – 12.30 : S. Mal, “*Probing violation of macrorealism and exploring quantum-classical transition*”

12.30 - 14.00 : Lunch

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Session III: Chair: P. Panigrahi

14.00 – 14.30 : G. Kar, “*Joint measurement and nonlocality in quantum mechanics*”

14.30 – 14.55 : T. Pramanik, “*Role of quantum uncertainty in nonlocality*”

14.55 – 15.15 : P. Chowdhury, “*Quantum steering for continuous variable states*”

15.15 – 15.45 : Tea

Session IV: Chair: D. Sarkar

15.45 – 16.15: P. Panigrahi, *TBA*

16.15 – 16.35: S. Das, “*Measurement incompatibility and channel steering*”

16.35 – 16.55 : S. Kanjilal, “*Effect of tunable distinguishability in entanglement duality*”

Session IV: Chair: P. Busch

16.55 - 17.30 : *Discussions & Concluding Remarks*