

Parallel Workshop Session : Quantum Gravity

Venue : Bhaskara 2

Session Chairs : Parthasarathi Majumdar & Sudhakar Panda

Day 1: 17/12/2007

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| 14:30 – 14:45 | Kinjal Banerjee | <i>Loop Quantization of the Gowdy T3 Model</i> |
| 14:45 – 15:00 | Alok Laddha | <i>Loop quantization of a Parametrized field theory.</i> |
| 15:00 – 15:15 | Bikash Chandra Paul | <i>On Holographic Dark Energy Model of the Universe</i> |
| 15:15 – 15:30 | Aalok Pandya | <i>Dark Energy, Background Independent Quantum Mechanics and the Origin of Cosmological Constant</i> |

Tea break

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| 16:00 – 16:25 | T. P. Singh | <i>Quantum Measurement and Quantum Gravity</i> |
| 16:25 – 16:50 | L. Sriramkumar | <i>Corrections to the Bekenstein-Hawking entropy in the brick wall approach</i> |
| 16:50 – 17:15 | Kumar Gupta | <i>Noncommutative Gravity and Black Holes</i> |

Day 2: 18/12/2007

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| 16:00 – 16:30 | Parthasarathi Mitra | <i>Tunnelling into white holes</i> |
| 16:30 – 16:50 | Supratik Pal | <i>Stability of branes in higher dimensional backgrounds</i> |
| 16:50 – 17:05 | Dawood Kothawala | <i>Quantum gravitational corrections to the stress-energy tensor around the rotating BTZ black hole</i> |
| 17:05 – 17:20 | Itzadah Thongkool | <i>Dark energy generated from a (super)string effective action with higher order curvature corrections and a dynamical dilaton</i> |

Day 3: 19/12/2007

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| 14:30 – 14:50 | Karmadev Maharana | <i>Representations of chiral alternative to vierbein</i> |
| 14:50 – 15:10 | Archan Majumdar | <i>Primordial black holes in alternate gravity theories</i> |

Tea break

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| 16:00 – 16:15 | Shashideep Gutti | <i>Quantum Gravitational Collapse and Hawking radiation in 2+1 Dimensions</i> |
| 16:15 – 16:30 | Ng. Ibohal | <i>Rotating embedded black holes: Hawking's radiation and Entropy</i> |
| 16:30 – 16:45 | Hemwati Nandan | <i>Singularities and Black Holes in a Scalar-Tensor Theory</i> |
| 16:45 – 17:00 | Sini R. | <i>Dirac quasi normal modes of RN extremal black hole with cosmic string</i> |
| 17:00 – 17:15 | Kuriakose Issac | <i>Scalar Hair for an AdS Black Hole</i> |

Day 4: 20/12/2007

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| 14:30 – 14:45 | Pradip Mukherjee | <i>Gravity on a Lie algebraic noncommutative space time</i> |
| 14:45 – 15:00 | Sudipta Sarkar | <i>Thermodynamic Route to Field Equations in Gravity</i> |
| 15:00 – 15:15 | Debaprasad Maity | <i>Constraining the Randall-Sundrum modulus in the light of recent PVLAS data.</i> |