**Indian Strings Meeting**  
IISER Pune, 15-21 December, 2016

**Conference Programme, Updated 14 December 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Thursday 15 Dec</th>
<th>Friday 16 Dec</th>
<th>Saturday 17 Dec</th>
<th>Sunday 18 Dec</th>
<th>Monday 19 Dec</th>
<th>Tuesday 20 Dec</th>
<th>Wed 21 Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45-9:00</td>
<td>Opening Remarks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00-10:00</td>
<td>Shiraz Minwalla</td>
<td>Erik Verlinde</td>
<td>Ashoke Sen</td>
<td>Xi Yin</td>
<td>9:00-9:45</td>
<td>Sandip Trivedi</td>
<td>Shamit Kachru</td>
</tr>
<tr>
<td>10:00-10:35</td>
<td>Arunabha Saha</td>
<td>Samir Mathur</td>
<td>Rajesh Gupta</td>
<td>Aninda Sinha</td>
<td>9:45-10:30</td>
<td>Gautam Sengupta</td>
<td>Meng-Chwan Tan</td>
</tr>
<tr>
<td>10:35-10:55</td>
<td>Tea</td>
<td>Tea</td>
<td>Tea</td>
<td>Tea</td>
<td>Tea</td>
<td>Tea</td>
<td></td>
</tr>
<tr>
<td>11:30-12:05</td>
<td>Keshav Dasgupta</td>
<td>Bernard deWit</td>
<td>Junggi Yoon</td>
<td>Keita Nii</td>
<td>11:30-11:55</td>
<td>K. Narayan</td>
<td>Nabamita Banerjee</td>
</tr>
<tr>
<td>12:30-2:00</td>
<td>Lunch</td>
<td>Lunch</td>
<td>Lunch</td>
<td>Lunch</td>
<td>Lunch</td>
<td>Lunch</td>
<td>Lunch</td>
</tr>
<tr>
<td>2:00-2:35</td>
<td>Fawad Hassan</td>
<td>Sameer Murthy</td>
<td>Anirban Basu</td>
<td>Marios Petropoulos</td>
<td></td>
<td>Dionysis Aminos</td>
<td>Djordje Radicevic</td>
</tr>
<tr>
<td>2:35-3:10</td>
<td>Jyotirmoy Bhattacharya</td>
<td>Bindusar Sahoo</td>
<td>Gautam Mandal</td>
<td>Costis Papageorgakis</td>
<td>2:35-3:00</td>
<td>Ritam Sinha</td>
<td>2:35-3:00</td>
</tr>
<tr>
<td>3:10-3:45</td>
<td>Madhusudan Raman</td>
<td>Julian Sonner</td>
<td>Sayantani Bhattacharyya</td>
<td>Arnab Kundu</td>
<td>Excursion</td>
<td>3:00-3:25</td>
<td>Pratim Roy</td>
</tr>
<tr>
<td>4:10-4:30</td>
<td>Tea</td>
<td>Tea</td>
<td>Tea</td>
<td>Tea</td>
<td>3:50-4:10</td>
<td>Tea</td>
<td></td>
</tr>
<tr>
<td>4:30-5:05</td>
<td>Prarit Agarwal</td>
<td>Amitabh Virmani</td>
<td>Nemani Suryanarayana</td>
<td></td>
<td>4:10-5:10</td>
<td>Special Lecture</td>
<td></td>
</tr>
<tr>
<td>5:05-5:45</td>
<td>Discussions</td>
<td>Discussions</td>
<td>Discussions</td>
<td></td>
<td>5:10-5:50</td>
<td>Discussions</td>
<td></td>
</tr>
<tr>
<td>7:30-9:30</td>
<td>Dinner</td>
<td>Dinner</td>
<td>Dinner</td>
<td>7:00 Conference Banquet</td>
<td>Dinner</td>
<td>Dinner</td>
<td></td>
</tr>
</tbody>
</table>

**Lectures:** C.V. Raman Auditorium, Lecture Hall Complex  
**Tea Services:** Outside C.V. Raman Auditorium  
**Breakfast** (only for Guest House residents), **Lunches, Dinners:** 1st Floor, Dining Hall Complex  
**Conference Banquet:** Director’s Bungalow
Speakers and Titles

**Review Talks (60 min)**

Shamit Kachru  
Mirror symmetries and field theory dualities

Shiraz Minwalla  
Developments on large-D solutions

Ashoke Sen  
Developments in string perturbation theory

Sandip Trivedi  
Recent developments in holographic entanglement

Erik Verlinde  
Black hole information paradox

Xi Yin  
2D conformal bootstrap

**Long Talks (35 min)**

Prarit Agarwal  
N=1 Lagrangians for Argyres-Douglas theories

Dionysis Anninos  
de Sitter space and holography

Nabamita Banerjee  
Galilean superfluids

Anirban Basu  
Some relations between modular graph functions

Jyotirmoy Bhattacharya  
Surface effects in superfluids

Arpan Bhattacharyya  
Exploring AdS/CFT via tensor network

Sayantani Bhattacharyya  
Entropy function for Lovelock theories

Sankhadeep Chakraborty  
Tensionless strings from worldsheet symmetries

Justin David  
Spectral sum rules for conformal field theories in arbitrary dimensions

Keshav Dasgupta  
How hard is it to get a de Sitter solution in string theory?

Bernard de Wit  
Exact results for the STU model

Suvankar Dutta  
Unitary matrix model and Riemann zeta function

Rajesh Gupta  
Supersymmetric localization on AdS$_2 \times$ S$^1$

Amihay Hanany  
Branes and the Kraft-Procesi transition

Fawad Hassan  
Gravity with more than one spin-2 field and the local structure of spacetime

Simeon Hellerman  
TBA

Dileep Jatkar  
Free field realisation of extended super-BMS$_3$ algebras

Arnab Kundu  
Fundamental matters

Alok Laddha  
Recent developments in discovering symmetries of quantum gravity

S-Matrix

R. Loganayagam  
Issues in open QFT

Gautam Mandal  
TBA

Samir Mathur  
An overview of the black hole information paradox

Sunil Mukhi  
Summary talk

Sameer Murthy  
Black hole degeneracies from worldsheet instantons

K. Narayan  
de Sitter extremal surfaces and entanglement in ghost systems

Keita Nii  
3d deconfinement method and S-confining gauge theories

Kyriakos Papageorgakis  
Reconstructing the black hole geometry from the CFT

Costis Papageorgakis  
The Nekrasov-Shatashvili limit of the 5D superconformal index

Marios Petropoulos  
Holography, duality and integrability

Djordje Radicevic  
The ergodicity landscape of quantum theories

Arunabha Saha  
Polarisation of black holes from large-D membrane equations

Bindusar Sahoo  
Advances in N=4 conformal supergravity

Gautam Sengupta  
Holographic quantum entanglement negativity

Julian Sonner  
Black hole collapse at large central charge

Aninda Sinha  
Conformal bootstrap in Mellin space
Nemani Suryanarayana
Holographic conformal partial waves as gravitational open Wilson networks

Meng-Chwan Tan
Open gauged sigma models and equivariant homological mirror symmetry

Amitabh Virmani
Internal structure of charged AdS black holes

Junggi Yoon
Sachdev-Ye-Kitaev model as a matrix-vector model

Short Talks (25 min)

Pinaki Banerjee
Sine-Gordon theory, entanglement entropy and holography

Bidisha Chakrabarty
Non-BPS D1-D5-P solutions and gravitational instantons

Soumyabrata Chakraborty
Non-vacuum AdS cosmology and gauge theory correlator

Sudip Ghosh
The breakdown of string perturbation theory for many external particles

Renjan John
Surface operators, S-duality and modular anomaly equation in N=2* theories

Lata Joshi
Holographic causal correlation in time-dependent CFTs

Aparatim Kaviraj
Unblocking analytic results from bootstrap

Surbhi Khetrapal
Universal corrections to entanglement entropy of local quantum quenches and scrambling time

Taniya Mandal
Multiple attractors in string theory

Subhajit Mazumdar
A membrane paradigm: the next-to-leading-order story and instability

Prahar Mitra
A 2D stress tensor for 4D gravity

Debangshu Mukherjee
Hyperscaling violation and the shear diffusion constant

Naveen Prabhakar

M. Raman
Exact WKB analysis of N=2 gauge theories

Pratim Roy
Holographic Renyi entropy in some modified theories of gravity

Arvind Saha
Double soft theorem for perturbative gravity

Ashish Shukla
Symmetry constraints in inflation

Ritam Sinha
Time dependent entanglement entropy in finite size systems: CFT and holography

Special Lecture

Ron Folman (Ben-Gurion University): “Matter waves exposed to the external world: from decoherence to gravity and back”

Poster Session

Participants wishing to put up posters on their work may do so at the ground floor, Dining Hall Complex. The posters can be kept here from lunchtime on 15th December till dinner on 20th December. They should be in a standard size (A1: 594 mm × 840 mm), and format (vertical, width no larger than 650 mm, height no larger than 900 mm).