

# Open Questions in an Open Universe

## Program

|             | Monday       | Tuesday        | Wednesday  | Thursday   | Friday     |
|-------------|--------------|----------------|------------|------------|------------|
| 9.30-10.15  |              | Sheikh-Jabbari | Vilenkin   | Sezgin     | Dereli     |
| 10.15-11.00 | Registration | Discussion     | Discussion | Sezgin     | Discussion |
| 11.00-11.45 | Harlow       | Giribet        | Kaya       | Discussion | Porrati    |
| 11.45-12.30 | Discussion   | Discussion     | Discussion | Gopakumar  | Discussion |
| 12.30-14.00 | Lunch        | Lunch          | Lunch      | Lunch      | Lunch      |
| 14.00-14.45 | Senatore     | Hofman         | Free       | Gopakumar  | Albion     |
| 14.45-15.30 | Discussion   | Discussion     | Free       | Anninos    | Discussion |
|             |              | Dinner         |            |            |            |

### Speakers

### Titles

|                 |   |
|-----------------|---|
| Albion:         | AdS Thermodynamics at Finite Volume                               |
| Anninos         | dS/CFT: open questions  |
| Dereli:         | Cosmology from Higher Dimensional Dilaton-Gravity                 |
| Giribet:        | A Toy Model for Black Holes in dS/CFT                             |
| Gopakumar:      | All you wanted to know about HigherSpins but were afraid to ask   |
| Harlow:         | Eternal Inflation and its Possible Experimental Signatures.       |
| Hofman:         | Holography in dS  |
| Kaya:           | In-in Path Integrals and Cosmological Pseudo-instantons           |
| Porrati:        | Canonical Quantization of Pure 3D Gravity                         |
| Sezgin:         | Introduction to Higher Spins                                      |
| Senatore:       | The Effective Field Theory of Cosmological Large Scale Structures |
| Sheikh-Jabbari: | Laws of Extremal Black Hole (Thermo)dynamics                      |
| Vilenkin:       | Global Structure of the Multiverse                                |