

# Fuzzy Sphere Meets Bootstrap

Events for:

**Monday, November 6th - Wednesday, November 8th**

## Monday, November 6th

9:00am **Workshop: Breakfast - SCGP Cafe**

**Title:** Breakfast

9:30am **Workshop: Yin-Chen He - SCGP 102**

**Title:** Fuzzy sphere regulation of 3D CFTs

10:30am **Workshop: Coffee Break - SCGP Cafe**

**Title:** Coffee Break

11:00am **Workshop: Joan Elias-Miro - SCGP 102**

**Title:** QFT spectrum on the sphere & Conformal Perturbation Theory

12:00pm **Workshop: Lunch - SCGP Cafe**

**Title:** Lunch

2:00pm **Workshop: Slava Rychkov - SCGP 102**

3:00pm **Workshop: Coffee Break - SCGP Cafe**

**Title:** Coffee Break

3:30pm **Workshop: Discussion Session - 102**

**Title:** The status of deconfined phase transition

## Tuesday, November 7th

9:00am **Workshop: Breakfast - SCGP Cafe**

**Title:** Breakfast

9:30am **Workshop: Andreas Lauchli - SCGP 102**

**Title:** Fuzzy Sphere Study of the 3D  $O(2)$  CFT: Spectrum, Finite Size Corrections and some OPE coefficients

10:30am **Workshop: Coffee Break - SCGP Cafe**

**Title:** Coffee Break

11:00am **Workshop: Duncan Haldane - SCGP 102**

**Title:** Hall viscosity and quantum Hall effect on the sphere

12:00pm **Workshop: Lunch - SCGP 102**

**Title:** Lunch

1:15pm **SCGP Weekly Talk: Mikhail Khovanov - 102**

2:30pm **Workshop: Zlatko Papic and Nicolas Regnault - SCGP 102**

**Title:** Transitions on the fuzzy sphere: A perspective from fractional people

3:30pm **Workshop: Coffee Break - SCGP 102**

**Title:** Coffee Break

4:00pm **Workshop: Discussion session - SCGP 103**

**Title:** Non-commutative geometry and fuzzy sphere in physics

4:00pm **Stony Brook Lectures in Algebraic Geometry - 102**

**Wednesday, November 8th**

9:00am **Workshop: Breakfast - SCGP Cafe**

**Title:** Breakfast

9:30am **Workshop: Wei Zhu: Virtual Lecture - SCGP 102**

**Title:** Exploring the F-theorem from the fuzzy sphere perspective

10:30am **Workshop: Coffee Break - SCGP Cafe**

**Title:** Coffee Break

11:00am **Workshop: Yijian Zou - SCGP 102**

**Title:** Defect conformal data from wavefunction overlap on the fuzzy sphere

12:00pm **Workshop: Lunch - SCGP Cafe**

**Title:** Lunch

2:00pm **Workshop: Discussion session - SCGP 102**

**Title:** Various aspects of fuzzy sphere regularization of CFTs

3:15pm **Workshop: Coffee Break - SCGP Cafe**

**Title:** Coffee Break

4:00pm **Stony Brook Lectures in Algebraic Geometry - 102**