**SU PHYSICS NEWS – DECEMBER 2013**

**Presentations by Faculty:**

**Marina Artuso:**
- talk, “Status of the LHCb Upgrade Upstream Tracker” for LHCC Cern Review Committee.
- talk, “Status of the LHCb Upgrade Upstream Tracker” at the December LHCb Week.


**Jay Hubisz:** invited talk, “A recipe for a light dilaton from strong dynamics”, at conference Lattice Meets Experiment 2013: Beyond the Standard Model, Brookhaven National Laboratory (December 6, 2013).

**Cristina Marchetti:** physics colloquium, “Active Matter”, The University of Auckland, Auckland, New Zealand (December 17, 2013).

**Britton Plourde:**
- invited talk, “Superconducting qubits: sidebands, cavities, and vortices”, the University of Tübingen, Tübingen, Germany (December 16, 2013).
- two lectures in the Control-Q Seminar series at the University of Saarland in Saarbrücken, Germany: “Design of superconducting qubits and multi-qubit architectures” (December 4), “Experimental implementation of superconducting qubits and cavities” (December 11).

**Peter Saulson:** 10 lectures at the ICTS Winter School on Experimental Gravitational-wave Physics, Raja Ramanna Centre for Advanced Technology, Indore, India (December 23-27, 2013.)

**Sheldon Stone:** invited plenary talk, “Use of RICH detectors for physics” at the 8th international workshop on Ring Imaging Cherenkov Detectors (RICH2013), at Shonan Village Center in Kanagawa-prefecture, Japan (December 2-6, 2013).

**Scott Watson:** invited seminar: “Supersymmetry, Non-thermal Dark Matter and Precision Cosmology” at:
- Case Western Reserve University, Cleveland, Ohio.
- Perimeter Institute, Canada.

**Presentations by Emeritus Faculty:**

**A.P. Balachandran:** invited talks on “Lorentz Violation in QED: The Sky Group”, at the workshop Asymptotia: Workshop on Asymptotic Symmetries in Classical and Quantum Gravity, 6 - 8 December 2013, Chennai Mathematical Institute, Chennai (December 7 and 8, 2013).

**Rafael Sorkin:**
- series of lectures, “Entanglement Entropy and the Area Law”, Raman Research Institute, Bangalore, India (December 12-13; 19-20, 2013).
- invited lecture, “An Introduction to Histories Based Quantum Mechanics”, Raman Research Institute, Bangalore, India (December 17, 2013).
- informal seminar, “Prediction of the Cosmological Constant”, Raman Research Institute, Bangalore, India (December 30, 2013).

Presentations by Research Faculty, Postdocs and Students:


**Other:**

**Simon Catterall**: session chair at meeting, “Lattice Meets Experiment 2013”, Brookhaven National Lab (December 4-5 2013).

**Jedidah Isler** (Chancellor’s Faculty Fellow): referenced in the news: