

Space Science Seminar
Tuesday, 2017 May 16
10:30 a.m.
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The Little Bang: Smashing Nuclei at Big Accelerator

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Host: Dr. Nasser Barghouty (Sponsored by ZP 12)

In high-energy particle accelerators such as RHIC at the Brookhaven National Laboratory and the Large Hadron Collider at CERN, quark-gluon plasma is believed to be formed in the collisions of two heavy nuclei (nicknamed the “little bang”). I will first discuss some similarities and differences between the little bang for heavy ion physics and the Big Bang for the universe. Then I will show selected results from high-energy, heavy-ion physics, including our work on a Monte Carlo transport model description of the little bang.

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