

CU Physics Department Colloquium

Monday, September 29, 2008 4:10 PM 428 Pupin Hall

Peter Goldreich, IAS and Princeton University

Reading the Record of Ancient Impacts

Debris from asteroids and comets continually bombards the Earth. Big impacts launch ejecta on trajectories that carry them thousands of kilometers from the impact site. These are recorded in discrete layers of submillimeter size spherules in sea floor sediments. Larger, aerodynamically shaped, objects are found on land. I will describe the physical processes that occur in energetic impacts with emphasis on the evolution of the reball and determination of the range and size of the ejecta.

Hosted by Andrei Beloborodov

