

Join us for an exciting lecture celebrating the International Year of Astronomy sponsored by the UB Physics Department

**FREE AND OPEN TO ALL SCHOOL AGE GROUPS**

**October 16, 2009, 4:30 - 5:30 pm, Knox Hall 110**

**“What Happened Before the Big Bang?  
And How Could We Know that, Anyway?”**

**Prof. David W. Hogg**

*Center for Cosmology and Particle Physics, New York Univ.*

**ABSTRACT:** We know many things in cosmology ... that the Universe is expanding, that it is 13.7 billion years old, and that most of the chemical elements were made inside stars. We don't currently know what preceded the Big Bang (some interesting options will be discussed), but we can know, and probably will some day soon.



**Prof. David Hogg**



*"The International Year of Astronomy 2009 is a global initiative by the International Astronomical Union (IAU) and UNESCO to help citizens of the world to rediscover their place in the Universe through the day-and night-time sky, ..."*

**For more information on the lecture, please contact Chris Gleason Email: [cg57@buffalo.edu](mailto:cg57@buffalo.edu), Phone: (716) 645-2017 x153**