

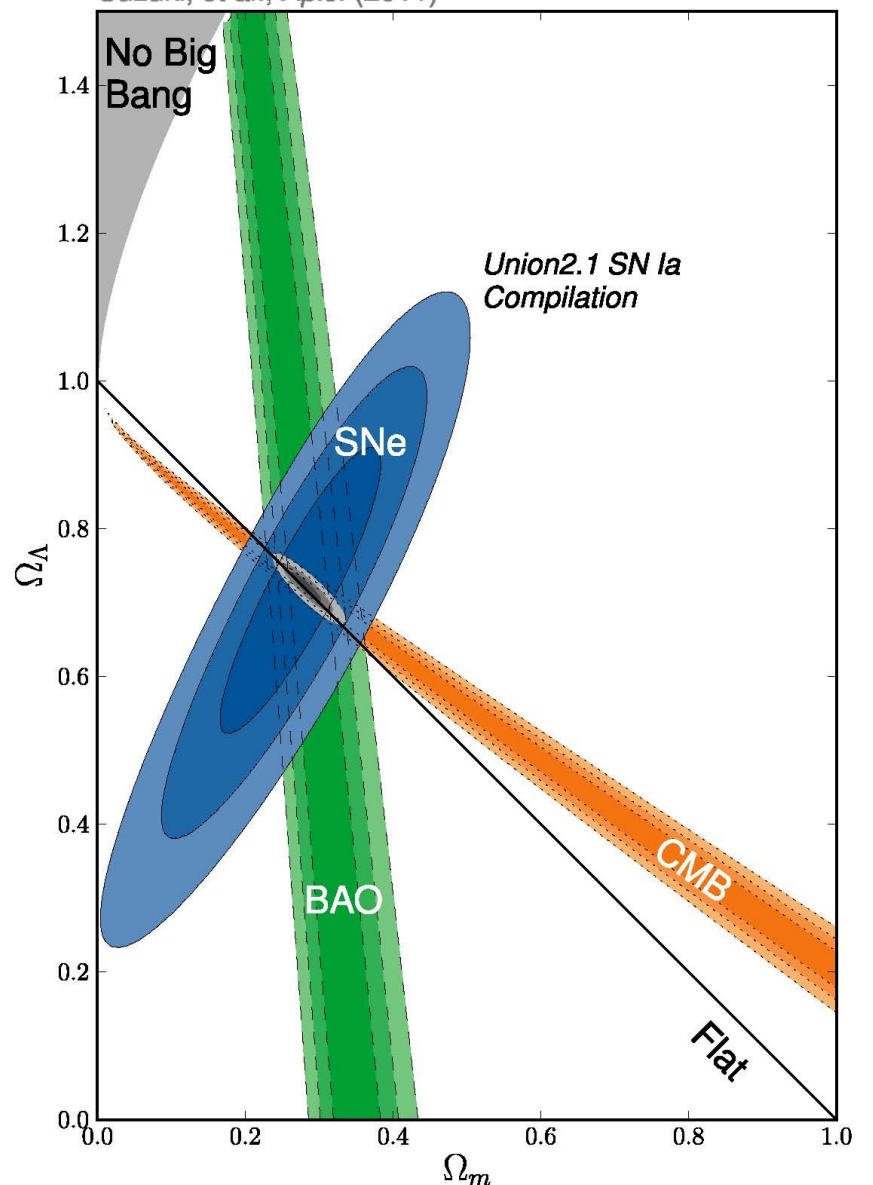
Supernovae Cosmology Today.

Marek Kowalski (Bonn Univ.)

Tuesday, 28 February 2012, 16:00 h
DESY Auditorium

14 years after the prize winning discovery of the accelerated expansion of the Universe, the use of Supernovae Type Ia as cosmic standard candles still provide perhaps the most direct probe of Dark Energy. I will review the present status of Supernova cosmology as well as other cosmical probes. Then I will focus on what current observations and survey can tell us about the properties of Dark Energy, i.e. our (in-)ability to distinguish dark energy models from a cosmological constant. In the last part I will give an outlook at what to expect from future surveys.

Supernova Cosmology Project
Suzuki, et al., *Ap.J.* (2011)



- Coffee, tea and cookies will be served at 15:45h
- After the seminar there is a chance for private discussions with the speaker over soft drinks and pretzels

