

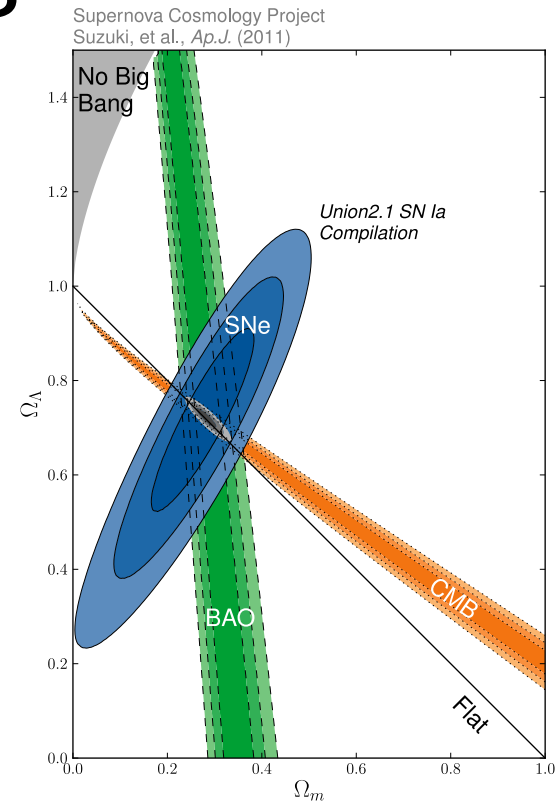
Introductory Astronomy

Week 8: Cosmology

Clip 10: Parameters of LCDM Cosmology

Putting it Together

- SNIa survey sensitive to
$$q_0 = \frac{1}{2}\Omega_{D,0} + \Omega_{R,0} - \Omega_{\Lambda,0}$$
- **B**aryon **A**coustic
Oscillation in galactic
distribution sensitive to
$$\Omega_{D,0}$$
- **C**M**B** data sensitive to
$$\Omega_0 = \Omega_{D,0} + \Omega_{R,0} + \Omega_{\Lambda,0}$$



Credits

- Type Ia Supernovae Graphics: From Suzuki et al, Ap. J. 2011
<http://supernova.lbl.gov/>