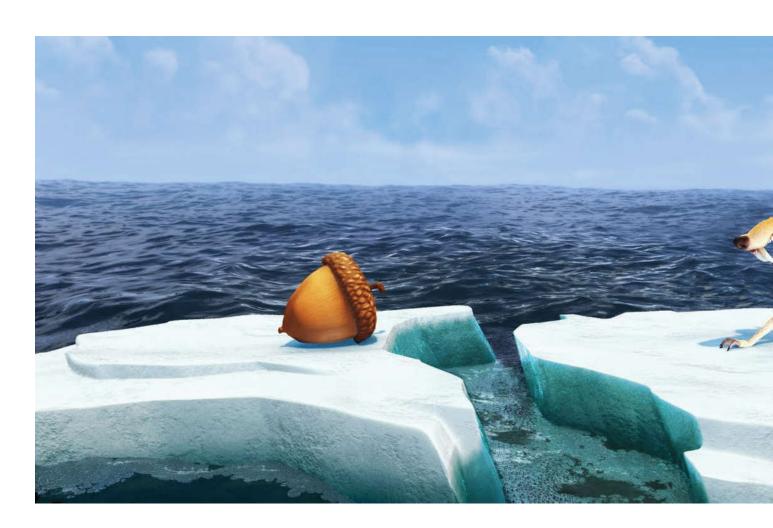
### OBSERVATIONAL COSMOLOGY

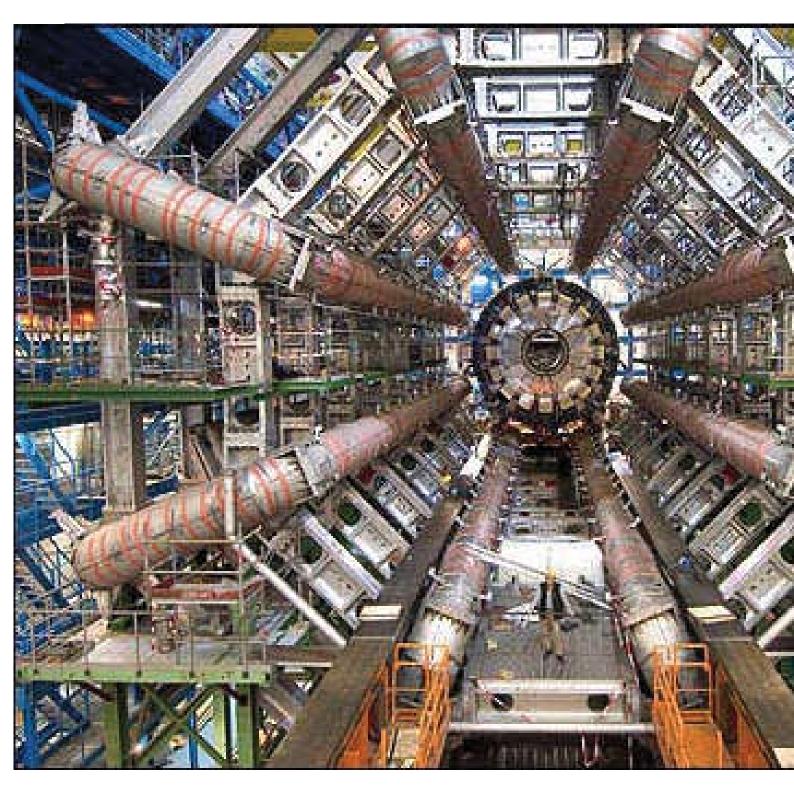


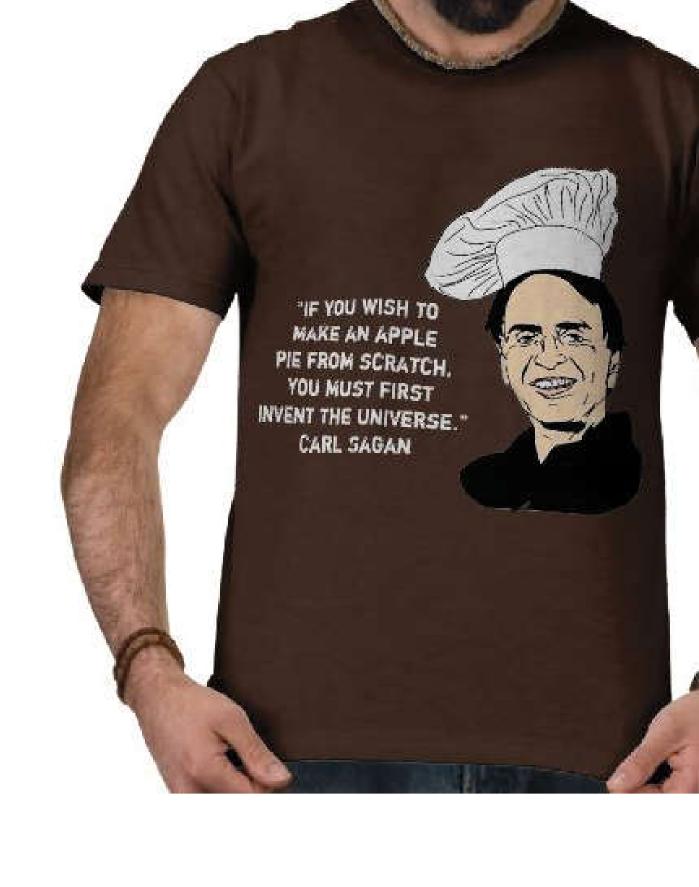
A 30 Year View

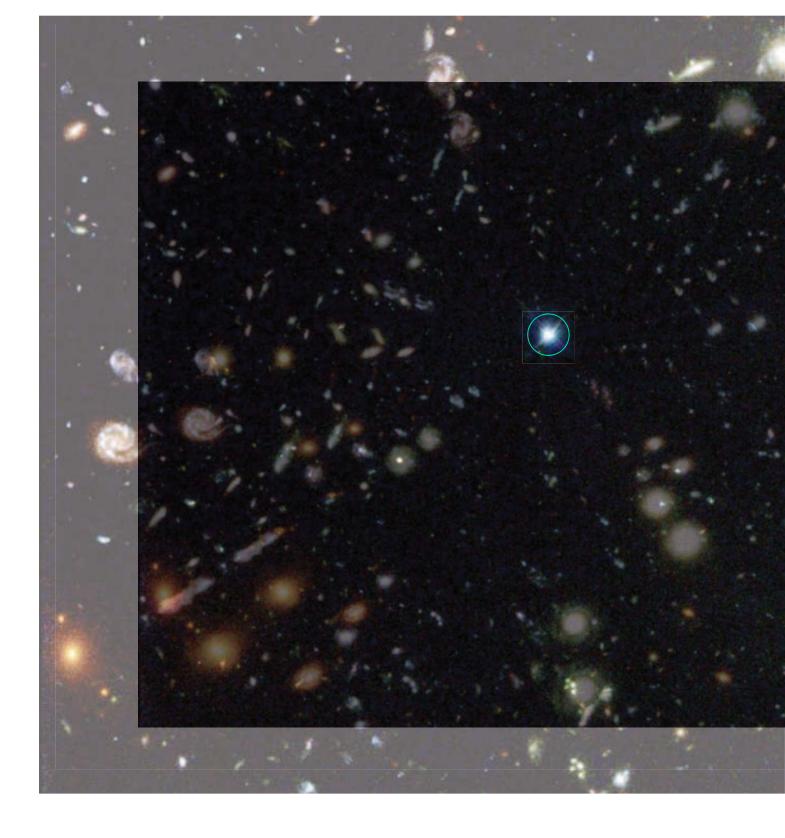
Bruce Bassett
AIMS, SAAO and UCT



"Hi, Are you a beauty school? Because I would like to find out more about your beauty course"

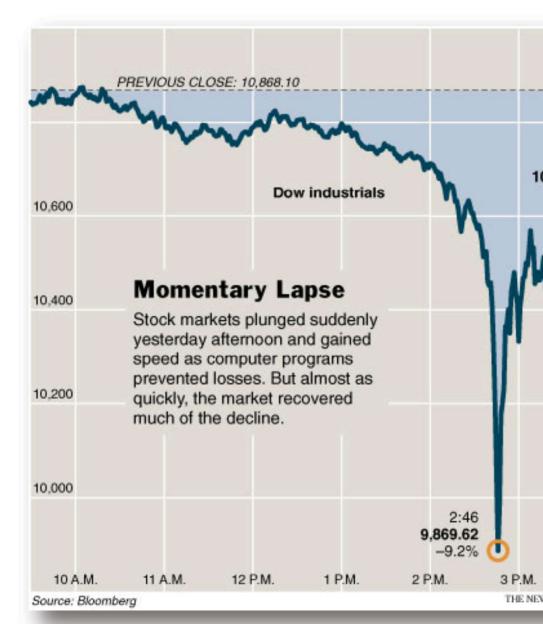








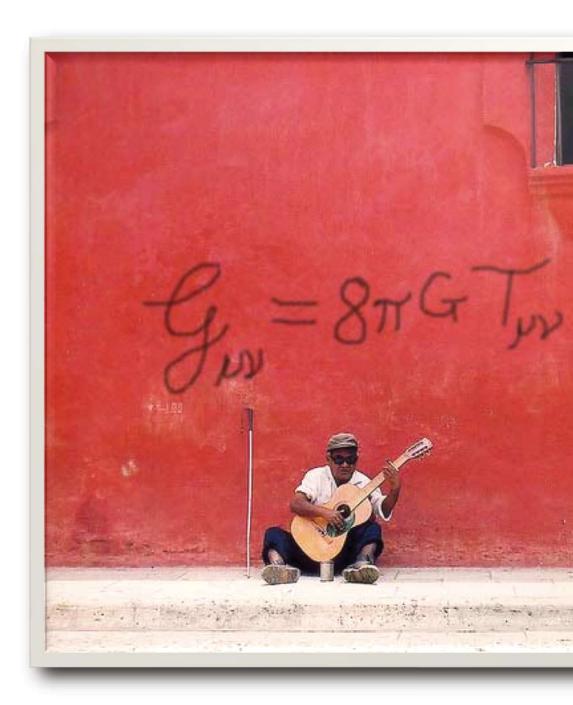
#### The Flash Crash of 2:

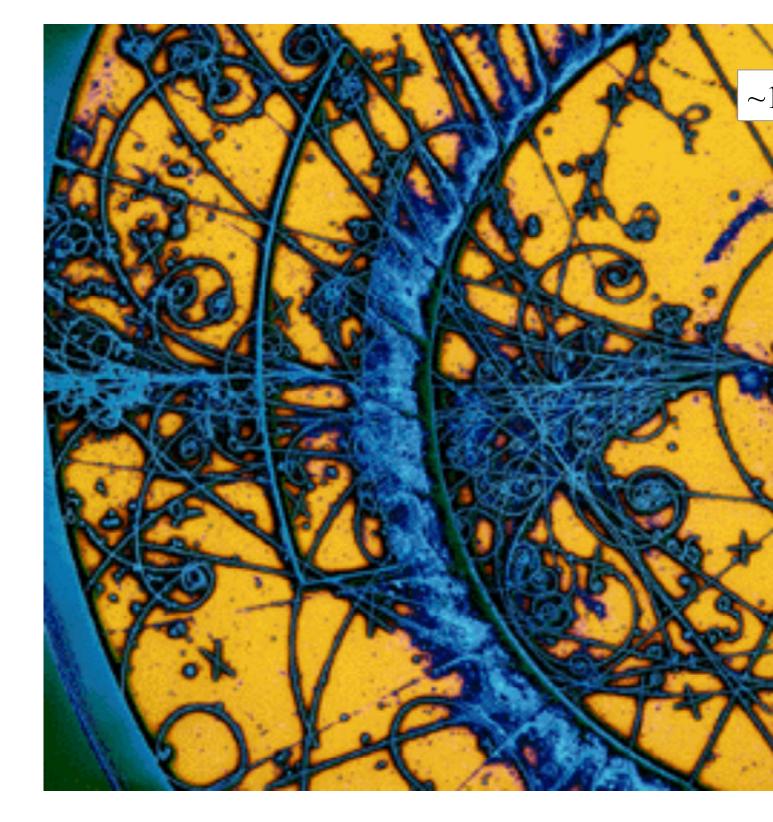


#### What is cosmology?

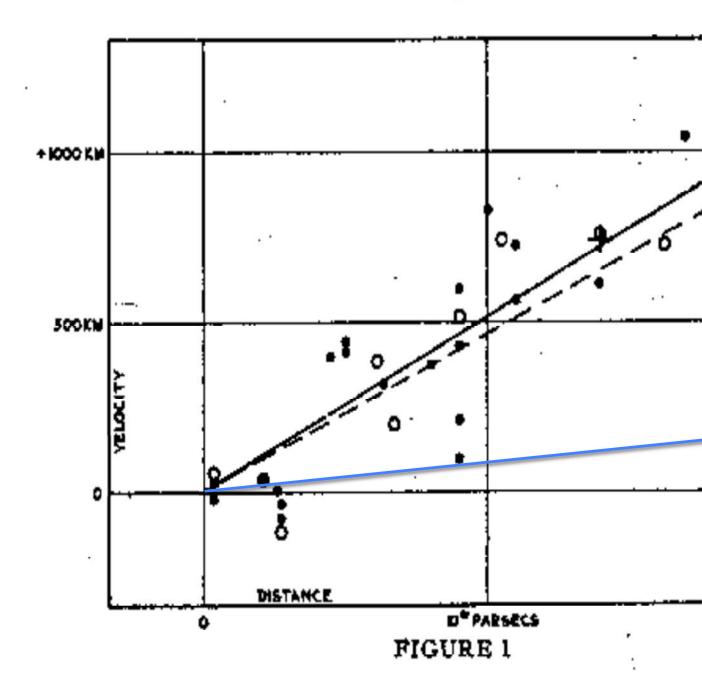


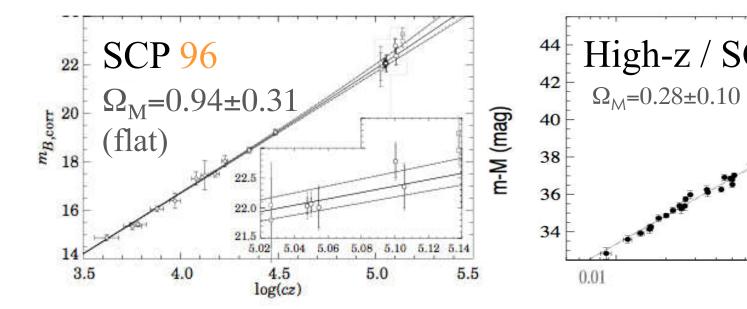
The evolution of the w
can be compared to
fireworks that has just
few red wisps, ash
Standing on a cooled to
the slow fading of the
try to recall the vanish
of the origin



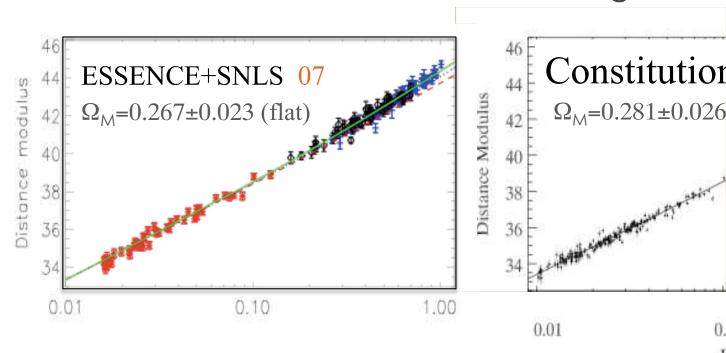




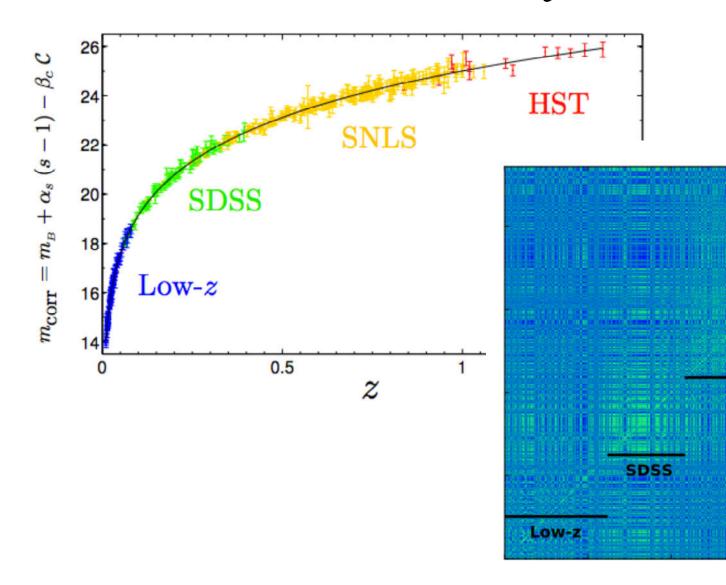




#### Evolution of the Hubble Diagram 19



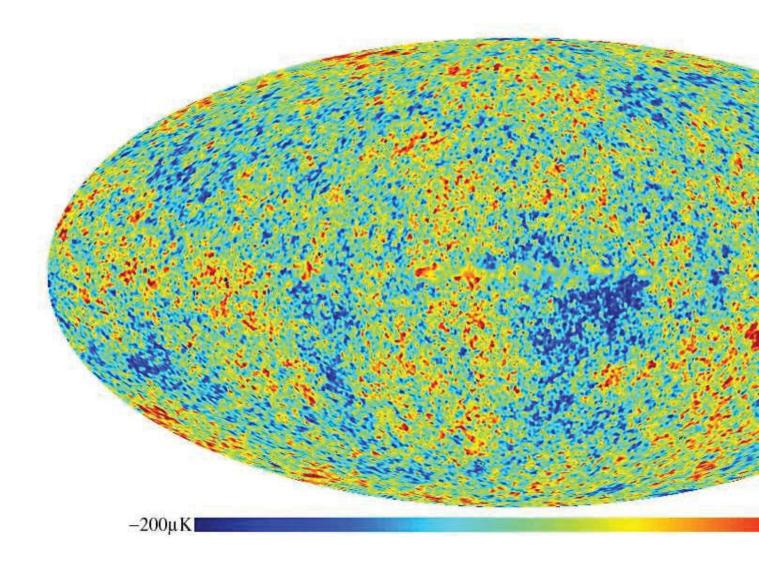
### Today



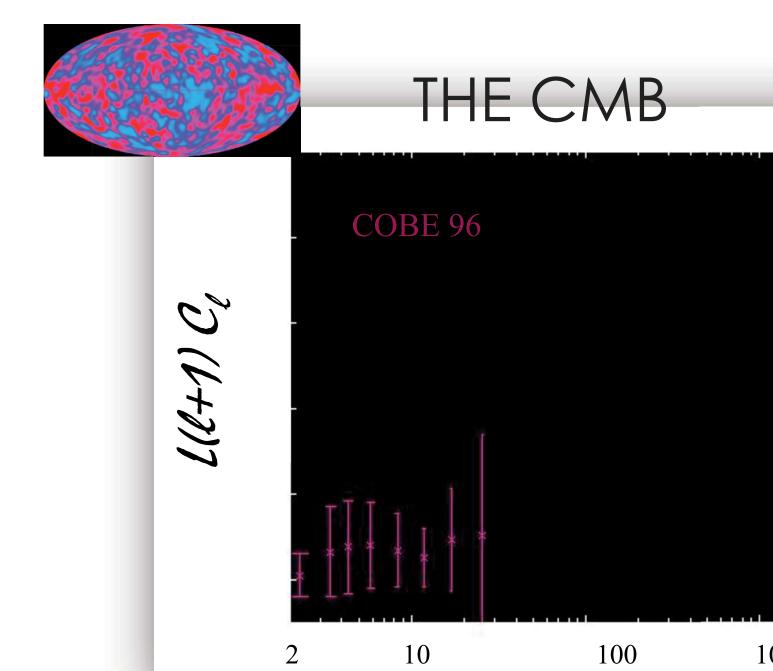
### The Large Synoptic Surv Telescope (LSST, 2020

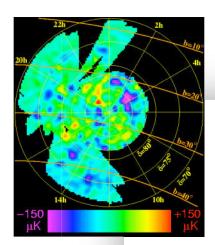


The "40 moons Telescope"

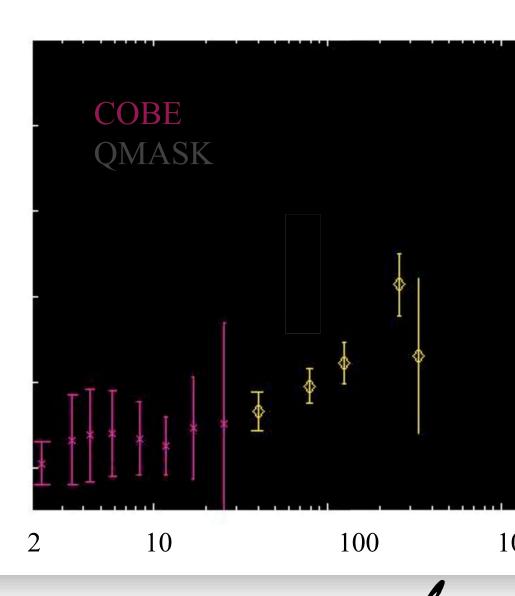


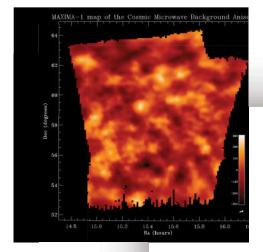
M



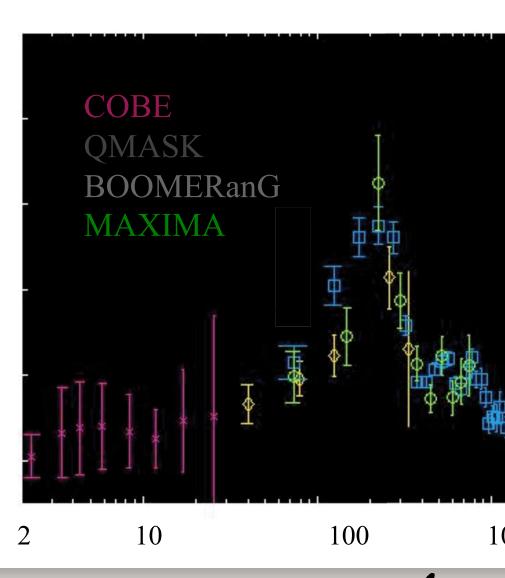


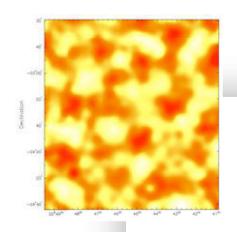
# 1(1+1) C



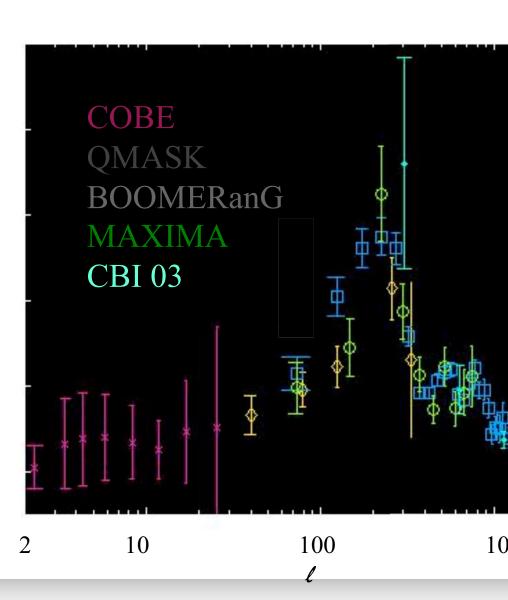


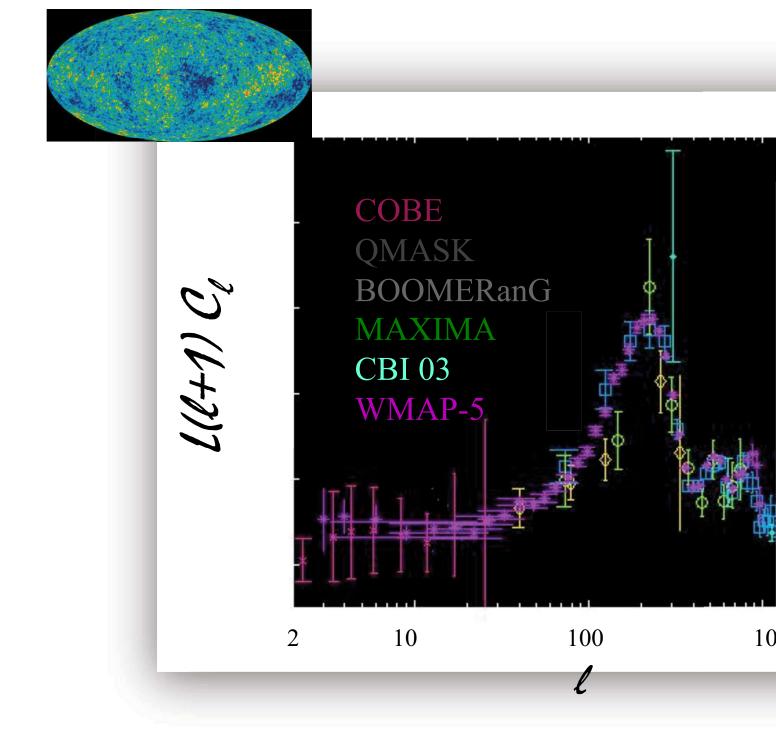
## 1(1+1) C





## L(2+1) C





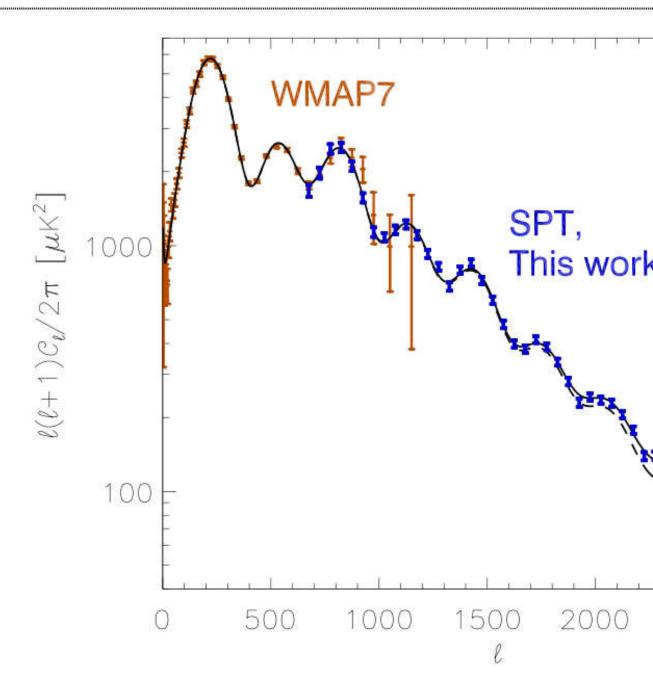


Fig. 5.— The SPT bandpowers, WMAP bandpowers, and best-fit ΛCDM theory spectr