**Gamma-Ray Bursts** QIANG DENG — Gamma-ray Bursts (GRBs) are sudden, intense flashes of gamma rays on the sky, which were discovered in 1960s and developed a lot after the detection of afterglow in 1997. In today’s talk, I will first give a review on the knowledge of GRBs before 1997, including the light curves, spectrum, duration distribution and isotropy. Then I will focus on the afterglow discovered in 1997, which provided the measurement of redshift of GRBs and confirmed the cosmological distances. The afterglow also gives us lots of information about the mechanism of GRBs. Here the fireball shock model will be introduced, which shows a plausible physical picture of GRBs. Evidence for jets will be given at last.