

B2
Symmetry and Relativity
Lecture 15



LHC beam dump

- At highest energy, LHC beam energy $\sim 350\text{MJ}$
 - $\sim 400\text{T}$ train at 150km/h
 - \sim heavy passenger car at 1600km/h
- 450 GeV proton “packages”
 - 72 penetrated ~ 100 2mm thick metal plates

