

# Modern Physics Unit Exam Review

proton

positron

neutron = ? Quarks

electron

lepton

proton = ? Quarks

quarks

photon

antiparticle

particle accelerator

angstrom vs. nanometer

eV (electron volt)

photon = ? eV

relativistic equation

MeV =

GeV =

special theory of relativity

general theory of relativity

speed of light ©

$E = mc^2$

$E^2 - p^2 c^2 = m^2 c^4$

Top Quark Mass Lab

Relativistic Time Dilation

4 Forces: weak, strong, electromagnetic, gravitational

neutrinos, muon, electrons are ?