

The structure of matter

- Matter and energy
- Wave-corpuscular dualism
- Standard Model of particle physics:
 - Basic physical interactions (basic forces in nature, size and range)
 - Particles:
 - Intermediate particles (bosons)
- Elementary particles of matter (fermions):
 - quarks
 - leptons
- Composite particles:
 - hadrons:
 - baryons
 - mesons
 - Antiparticles
 - Quasiparticles