**Electroweak Theory and the Higgs Mechanism**

**Electroweak Fields**

**Matter Fields**

**Electroweak Lagrangian**

**Covariant Derivative**

**Spontaneous Symmetry Breaking**

**The Photon and Z Boson**

**The W+ and W- Bosons**

**Bosons After SSB**

**Fermions After SSB**