

Theoretical physics

Teacher: Giovanni Ridolfi (Univ. Genova)

- Perturbative renormalization: general concepts
- LSZ formulas
- Spectral representation of the propagator
- Power counting and perturbative renormalization
- Some examples
- Renormalization group
- Axial current anomaly
- Deep-inelastic scattering and Altarelli-Parisi equations
- Flavor physics