

Reexam Questions - Introduction to Particle Physics

- 1) Particle classification: From the Eightfold way to the quark model
- 2) Neutral Kaons and the violation of CP.
- 3) What is isospin? Isospin symmetry and its implications for nucleon-nucleon scattering.
- 4) Theory vs. Experiment: Cross sections and Decay Rates.
- 5) Feynman rules, Feynman diagrams and amplitudes in QED.

General info: The reexam is approximately 25 min. When you come in you pick one of the above questions which you then should present in the first ca 10-15 minutes. The remaining 5-10 minutes censor and I will ask questions (which can be in any part of the material that we have covered in the course) and we will have a discussion. There is no preparation time.

The reexam will be in the FKF Kollokvierum at 12.00 on February 26.