

A Feynman diagram is overlaid on a yellow background. It features several particles: a blue electron (solid line with arrow), a red positron (solid line with arrow pointing left), a green photon (wavy line), a blue gluon (curly line), and a red quark (solid line). The diagram shows a vertex where a photon and a quark meet, and another vertex where a gluon and a quark meet. The quark line continues through a loop structure.

Physics 594

Introduction to Particle Physics

Spring 2022

594001

TR: 8:10 - 9:25 / Nielsen 608

Professor Stefan Spanier

This course is a stepping stone course for Particle Physics and related fields - a very introductory course to prepare students for higher level graduate courses. It covers several basic concepts such as special relativity, accelerator and detection technologies, basics about fundamental forces between elementary particles and Feynman diagrams. You will also learn about newest developments and experiments.