Summer Term 2021

Experiments on Physics Beyond the Standard Model

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Course Description:
This lecture will provide an introduction of experimental aspects on physics beyond the Standard Model. The following topics will be covered:

- The shortcomings of the Standard Model
- Supersymmetry
- Grand Unified Theories
- Compositeness
- Dark matter
- Axions
- Exotic neutrinos
- CP violation
- Future colliders

Prerequisites:
Knowledge on particle physics on the level of a bachelor degree in physics is recommended, but not absolutely necessary.

Date and Place: 
Tue 11:00–12:30, Fri 10:15–11:00, Zoom
https://desy.zoom.us/j/99027956468
Meeting ID: 990 2795 6468, Passcode: 976878

Problem Classes: 
Fri 11:00–11:45, Zoom

Starting on: 6 April 2021