

PRISMA+ Colloquium

April 26, 2023 at 1 p.m.
Lorentz-Raum, 05-127, Staudingerweg 7

Prof. Dr. Ryan Mitchell
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A field guide to the mesons

Using the idea of a field guide as a template, the referent will briefly review the rapidly expanding catalog of known mesons, which are strongly interacting subatomic particles made from equal numbers of quarks and antiquarks. While most mesons can be successfully described as one quark bound to one antiquark, recent discoveries point towards the existence of new meson families. These discoveries, made at experiments such as the BESIII e^+e^- experiment in Beijing and the LHCb pp experiment at the LHC, offer new contexts in which to study the strong force of particle physics.