

PRISMA+ Colloquium

June 28, 2017 at 1 p.m.
Lorentz-Raum 05-127, Staudingerweg 7

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Dark Sector Models

The dark photon, A' , the dark Higgs boson, h' , and the dark Baryon, B' , are hypothetical constituents featured in a number of recently proposed Dark Sector Models. Dark Sector particles can be produced in the so-called dark Higgsstrahlung and radiative processes, and in neutral D-meson decays channels. We will present results for the search of dark sector particles with prompt and displaced vertex decay topologies, when applicable, obtained using 1ab^{-1} of data collected by the Belle detector and we will discuss the discovery potential of the Belle II experiment when 50ab^{-1} of data will be collected within the next decade.