

# Direct Searches for Low-Mass New Physics Particles at BABAR

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**Abstract.** With the recent discovery of the Higgs Boson by the ATLAS and CMS experiments at CERN, the Standard Model (SM) got further credence as the most successful model to explain the basic constituents of matter and their interactions. Although the Standard Model is believed to be theoretically self-consistent and has demonstrated huge and continued successes in providing experimental predictions, it does leave some phenomena unexplained. In this talk, I will summarize the current SM scenarios and focus on beyond standard model (BSM) particles search with the BABAR experiment at the SLAC National Accelerator Laboratory.