Hall B Virtual Seminar

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The Heavy Photon Search Experiment

Abstract

The Heavy Photon Search Experiment is focused on searching for long-lived particles decaying to e+/e- with an invariant mass around 100 MeV. This particular part of phase space includes parameter space motivated by generic models of thermal relic dark matter that remains unexplored. An upgrade to the system was successfully installed and used for the first HPS physics run in 2019.  The 2021 HPS physics run finished successfully at the beginning of November with close to the expected integrated luminosity. This talk will focus on what HPS learned in 2019 and how these lessons led to a more successful run last year. I will also discuss what to expect from the analysis of this data in the near future.

Wednesday, April 27, 2022

2:30 PM – 3:30 PM

https://zoom.us/j/98047332904?pwd=bE1VNUlSZ0c3UzVFTEFudVhlN3NBQT09&from=addon