



PHYSICS AND ASTRONOMY SEMINAR (Online)

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“From Mini to Micro: zooming in on new physics interpretations of the MiniBooNE excess at the MicroBooNE experiment”

“The MicroBooNE experiment has recently tested a few interpretations of the MiniBooNE excess. I will discuss the impact of MicroBooNE's searches on new physics models and show that it still does not provide a definitive test of the MiniBooNE anomaly. I will also discuss the broader landscape of models with MeV dark sectors that can also provide an as-of-yet unexplored avenue to explain the excess. This class of explanations has interesting applications to low-energy experiments like kaon and B factories, as well as to the $g-2$ of the muon.”

Wednesday, February 16, 2022
1:00 p.m. PST

Zoom information:

<https://uvic.zoom.us/j/81808694655?pwd=TjVHTDJ5Uk5US0JDcTNqVjQ2NmN3UT09>

Meeting ID: 818 0869 4655

Password: 404306