

## P5 Town Hall at SLAC



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# Expanded Accelerator Options for Forefront New Physics Searches

*Thursday, 4 May 2023 14:40 (5 minutes)*

There is a collection of <\$50M BSM-search experiments that have not yet been considered as a set by P5: those running at accelerators other than at FNAL and CERN. Examples include CCM, COHERENT, IsoDAR, JSNS2, and LDMX. All of these experiments utilize accelerators that feature capabilities that are not currently accessible at FNAL and CERN. By exploiting accelerators with different capabilities, these experiments can access BSM physics that is entirely new, pointing the way for the future HEP program. They are “good buys” because infrastructure comes from host labs outside of mainline US HEP. The connections built by HEP scientist interactions with those in nuclear physics, basic energy sciences, and physicists in international communities help to funnel new ideas about accelerator-based experiments back into US HEP and build allies for US HEP. This talk will request that P5 give specific endorsement to continuation of this thriving program of small accelerator-based BSM experiments beyond the “mother laboratories” of FNAL and CERN.

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