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Whole-PhD Support for Students in Instrumentation

Wednesday, 22 March 2023 16:40 (5 minutes)

There is growing recognition that training the next generation of instrumentation experts is vital to the future of HEP. Unfortunately, most student support mechanisms in instrumentation, including SCGSR and Traineeship programs, take a “one and done” approach – one year of support in instrumentation after which a student returns to their regularly scheduled PhD. This is in stark contrast to the experiences of the current leaders and rising stars in neutrino, rare process, dark matter and QIS physics, many of whom enjoyed graduate experiences where instrumentation was not a 1-year add-on, but rather an organic part of an entire PhD, often on a small pathfinder experiment. To support such a PhD today is exceedingly challenging, typically requiring a half-dozen different funding sources per student over the course of their PhD. Mechanisms for whole-PhD support – which could be adapted from existing instrumentation programs supporting students at labs and at universities – are needed to cultivate the innovators that will drive HEP forward.

Please select if remarks will be in person or on zoom

In person

Do you describe your self as early career?

no

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Session Classification: Open Session for remarks