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The IBM-Q Initiative as a Resource for HEP Quantum Computing

Friday, 14 September 2018 10:45 (40 minutes)

This is the first of two talks on the IBM-Q quantum computing systems. The presentation will briefly summarize the concept of an IBM-Q Hub and the preparations at NC State for implementation of the only university-based IBM-Q Hub in the Americas. There will be a brief discussion of the role that the Hub will play in forming research partnerships with industry and the preparations for building a university based educational role for quantum computing. The talk will also introduce the Hub's capabilities and how they can potentially be focused toward high energy physics problems.

Presenter: Dr DREHER, Patrick (NC State University)

Session Classification: Session 6