

# Quantum Information Techniques in High Energy Physics

*Wednesday, September 12, 2018 2:25 PM (40 minutes)*

In this talk I will explore the possibilities of using quantum algorithms and techniques inspired by quantum algorithms to design searches for new physics. This talk will be primarily and speculatively focused on particle physics, rather than quantum gravity, in an attempt to find new potential connections between high energy physics and quantum information science.

**Presenter:** Dr BAO, Ning (Berkeley)

**Session Classification:** Session 3