

# **Tortured Phenomenology Department, or why we need quantum computers**

*Saturday, 4 May 2024 15:15 (55 minutes)*

Many problems across high energy physics may ultimately prove impossible to solve without the assistance of quantum computers. While much progress has been made in the last decade to understand and formulate these problems, much work remains to be done. In this talk, we will highlight some of the outstanding issues to making predictions in HEP on these devices, and how HEP-insights might accelerate the development of these computers.

## **Are you willing to consider presenting a poster instead?**

No

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**Session Classification:** Invited Talk