



ID de la contribución : 78

Tipo : **Talk**

Progress in Quantum Computing and High Energy Physics

Quantum Computing constitutes a very promising field, potentially able to deal with challenges that classic computing cannot solve and present considerable speedups with respect to the former. Its application to fields related to fundamental physics seems as a natural extension of its use-cases, due to the underlying quantum nature of the processes involved and the type of the problems that particle physics experiments entail. This talk will cover some of the most important lines of research that have so far been pursued in this regard, with the current status and prospects, including scalability and prospects for the fault-tolerant era.

Primary author(s) : LUCIO MARTINEZ, Miriam

Presenter(s) : LUCIO MARTINEZ, Miriam

Clasificación de la sesión : COMCHA

Clasificación de temáticas : COMCHA