

Ακολουθεί Ανακοίνωση για διαλέξεις με αντικείμενο Quantum Computing

**Subject: Academic Training Lectures - 29, 30 and 31 March - 16:00 - Zoom**

Dear Colleagues,

Please find below details related to the Next Academic Training Lectures on:

**Introduction to Quantum Computing (1 /3)**  
**Heather Gray (Lawrence Berkeley National Lab)**

These lectures will be held via Zoom.  
Connection details are available on the Indico pages:

Monday, 29 March at 16:00 (lecture 1/3) - <https://indico.cern.ch/event/870515/>  
Tuesday, 30 March at 16:00 (lecture 2/3) - <https://indico.cern.ch/event/870514/>  
Wednesday, 31 March at 16:00 (lecture 3/3) - <https://indico.cern.ch/event/870513/>

**Description:**

Quantum computing is an exciting emergent field at the interface of the computer science, engineering, mathematics and physics. While the ideas behind quantum computing originated almost 30 years ago, the field has gone through a period of rapid development in recent years. I will provide an introduction to the basic concepts of quantum computation, discuss current and future hardware implementations and introduce the types of algorithms that are used for quantum computation. Potential applications to high-energy physics will also be discussed.

Organized by: Maria Arsuaga Rios

Academic Training Lecture Regular Programme: <https://indico.cern.ch/category/72/>