# **AI/ML** Mini-workshop at FCC Week 2024

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AI/ML is already playing a critical role in nearly all aspects of collider physics. There is no doubt that it will play a central role for the design, operations, and data analysis of the FCC.

The goal of this session is to capture a snapshot of the state of the art.

**1.** Facility accelerator design, operations; magnet training, ...

2. Detectors

3. Data analysis

detector design, construction (e.g. QA/QC), operations, data acquisition, ...

reconstruction, simulation, statistical analysis, ...

### Big science for less \$\$\$



3

### Agenda



Convener: Ben Nachman (Lawrence Berkeley National Lab. (US))



### **Fast inference**

Speaker: Elham E Khoda (University of Washington (US))

### 16:30

Speaker: Dennis Noll (Lawrence Berkeley National Lab (US))

### **Google GenAl demo** 17:00

**Data Analysis** 

Speaker: Dustin Sell (Google)

See also a number of other talks embedded in other sessions!

4

