Session Program

May 19 – 21, 2025

ML4FE Workshop, University of Hawaii

Technology, Contributed

Mon, May 19

1:10 PM

Technology, Contributed
Session | **Location:** | **Convener:** Yun-Tsung Lai

13:10 – 13:30

Machine Learning-Assisted Event Classification in Cross-Strip CZT PET Detectors Leveraging Quantum Correlations

Speakers

Dr Praveen Gurunath Bharathi Gurunath Bharathi, Shiva Abbaszadeh

13:30 – 13:50 **Introduction to eFPGAs and Their Application to High Energy Physics**

Speaker

Larry Ruckman

1:50 PM

1:50 PM

Technology, Contributed
Session | **Location:** | **Convener:** Yun-Tsung Lai

13:50 – 14:10

Reconfigurable Pulse-Shape Discrimination Algorithm Implementations using eFPGAs

Speaker

Carl Grace

14:10 – 14:30

Empowering AI Implementation: The Versatile SLAC Neural Network Library (SNL) for FPGA

Speaker

Abhilasha Dave

14:30 – 14:50 **Modern Machine Learning Model Deployment on FPGA for KamLAND-Zen**

Speaker

Zepeng Li

2:50 PM

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