

Session Program

10-15 Aug 2025



NAPAC25 - North American Particle Accelerator Conference 2025

Beam Instrumentation, Controls, AI/ML, and Operational Aspects (Contributed)

SAFE Credit Union Convention Center
1401 K St, Sacramento, CA 95814

Thursday 14 August

09:30

Beam Instrumentation, Controls, AI/ML, and Operational Aspects (Contributed)

Session | **Location:** SAFE Credit Union Convention Center, Parallel Session #2

09:30–09:50

AI-driven neutrino diagnostics and radiation-hard beam instrumentation for next-generation neutrino experiments

Speaker

Sudeshna Ganguly

09:50–10:10

Fermilab Booster beam loss modelling and rebalancing using Bayesian methods

Speaker

Nikita Kuklev

10:10–10:30

Ultrafast THz detection and enhanced Electro-Optical timing for longitudinal beam diagnostics at Free Electron Lasers

Speaker

Prof. Andreas Penirschke

10:30