

Session Program

Mar 15 - 17, 2023

**Joint DOE / NIH Workshop - Advancing Medical
Care through Discovery in the Physical
Sciences Workshop Series: Radiation
Detection**

Session 5 - Electronics and Data Acquisition

Jefferson Lab, Auditorium

Fri, March 17

8:00 AM

Session 5 - Electronics and Data Acquisition: Electronics and Data Acquisition

Session | **Location:** Jefferson Lab, Auditorium | **Conveners:** Larry Ruckman, Brian Pogue

8:00 – 8:20 AM

State-of-the-art Challenges and Emerging Technologies

Speaker

Chien-Min Kao

8:20 – 8:40 AM

Capabilities from the Physical Sciences - David Abbott

Speaker

David Abbott

8:40 – 8:50 AM

Transition Edge Sensors for X-ray Spectroscopy

Speaker

Galen O'Neil

8:50 – 9:00 AM

Streaming Readout PET Architecture and Development

Speaker

Wenze Xi

9:00 – 9:10 AM

Fast Time-gated Intensified Camera Electronics for Proton and FLASH Dosimetry

Speaker

Petr Bruza

9:10 – 9:20 AM

FLASH Detectors

Speaker

Paul Boisseau

9:20 – 9:30 AM

Ultrafast LGAD Detectors with High-SNR Electronics Read-out for FLASH Radiotherapy

Speaker

Christophe Royon

9:30 – 10:00 AM

Panel Discussion - Session 5 Discussion

10:00 AM