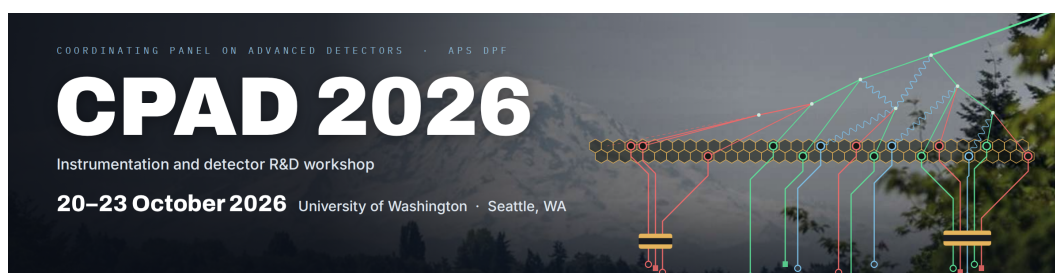


Session Program

20-23 Oct 2026



CPAD 2026 at Seattle

RDC 1 Noble Element Detectors

University of Washington
Alder Hall, 1315 NE Campus Pkwy, Seattle, WA 98105

Tuesday 20 October

14:00

RDC 1 Noble Element Detectors

Session | **Location:** Maple Hall, Great Room

14:00–14:17 **Study of scintillation properties of solid argon**

Speaker

Claudio Savarese

14:17–14:34

HydroX R&D towards a low-mass dark matter search using doped liquid xenon

Speakers

Kaiyuan Shi, Scott Haselschwardt

14:34–14:51

Pushing Dark Matter Searches To the Neutrino Floor With Crystal Xenon

Speaker

Chloe O'Brien

14:51–15:08 **Prospect of detecting the Migdal effect in liquid xenon**

Speaker

Dr Jingke Xu

15:08–15:25

HydroX: Signal production in an ethane-doped liquid xenon time projection chamber for light dark matter detection

Speaker

Hazal Deniz Zenger

15:25–15:42

Development and characterization of xenon-doped liquid argon detectors

Speaker

Dr Jingke Xu

15:42–15:59 **Modeling the LUX-ZEPLIN Detector Response at High Recoil Energies**

Speaker

Kaiyuan Shi

16:00

16:30

RDC 1 Noble Element Detectors

Session | **Location:** Maple Hall, Great Room

16:30–16:47

Controlling Charged Liquid Surfaces and Extraction-Grid Effects in Dual-Phase Noble-Element Detectors

Speaker

sergey pereverzev

16:47–17:04 **Development of a Liquid Argon Purity Monitor Utilizing Electron Drift**

Speaker

Samuel Bellman

17:05-17:20

Developing low-threshold liquid argon time projection chambers with photo-sensitive dopants for rare-event experiments**Speaker**

Iftikhar Ahmad

17:25-17:40

Novel Paths to Charge Collection in Argon TPCs**Speaker**

Dr Sparshita Dey

17:40-17:55

First Results from the Scintillating Bubble Chamber Liquid Argon 10 kg (SBC-LAr10) Detector**Speaker**

Ryan Zhang

18:00-18:15

Optical imaging of high-energy interactions in dual-phase xenon time projection chambers**Speaker**

Dr Adam Tidball

18:15-18:30

Spectroscopy of VUV luminescence in dual-phase xenon detectors**Speaker**

Kelsey Oliver-Mallory

18:30