

**Session Program**

**10–12 Dec 2025**

**Oak Ridge Annual Nuclear Gathering Event**

***Afternoon session***

Zeanah Engineering Complex, Rooms 360-362  
863 Neyland Dr, Knoxville, TN 37916

## Wednesday 10 December

13:00

### Afternoon session

Session | Location: Zeanah Engineering Complex, Rooms 360-362, 863 Neyland Dr, Knoxville, TN 37916

13:00–13:30 Quantum Computing in Nuclear Physics

Speaker

Sanket Sharma

13:30–14:00

Equation of Motion (EOM) Extensions of the In-Medium Similarity Renormalization Group (IMSRG)

Speaker

Michael Gajdosik

14:00–14:30 Multi-reference equation of motion method

Speaker

Zhonghao Sun

14:30–15:00 Violation of Parity in the In Medium Similarity Renormalization Group

Speaker

Beatriz Romeo

15:00

15:30

### Afternoon session

Session | Location: Zeanah Engineering Complex, Rooms 360-362, 863 Neyland Dr, Knoxville, TN 37916

15:30–16:00 Orbital removal via in-medium similarity renormalization group

Speaker

Brandon Lem

16:00–17:00 Discussion

17:00

## Thursday 11 December

13:30

### Afternoon session

Session | Location: Zeanah Engineering Complex, Rooms 360-362, 863 Neyland Dr, Knoxville, TN 37916

13:30–14:00

#### Coulomb corrections to three-nucleon electroweak form factors

Speaker

Ha Nguyen

14:00–14:30

#### Coulomb effects in Helium-3

Speaker

Xincheng Lin

14:30–15:00

#### Quantum Monte-Carlo Calculations of Neutron-alpha Scattering with Chiral Three-Body Forces

Speaker

Juan Silva

15:00

15:30

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15:30–16:00

#### A field theory approach to artificial neural networks in nuclear physics

Speaker

Simon Sundberg

16:00–17:00

#### Discussion

17:00