

**Session Program**

**10–13 Jun 2025**

**Ninth DEMO and Fusion Plants Workshop**

***Neutronics***

Aomori, Japan

# Thursday 12 June

09:30

## Neutronics

Session | Location: Aomori, Japan

09:30–09:40

### Chair Introdcution

#### Speaker

Saerom Kwon

09:40–09:55

### Topic overview summary

#### Speaker

Lee Packer

09:55–10:35

### JA fusion neutronics activities toward JA-DEMO design and construction

#### Speaker

Kentaro Ochiai

10:35

11:05

## Neutronics

Session | Location: Aomori, Japan

11:05–11:45

### Neutronics activities for European DEMO fusion reactor shielding and breeding blanket designs

#### Speaker

Dieter Leichtle

11:45–12:25

### Radiation Environment Challenges for a Spherical Tokamak for Energy Production

#### Speaker

Tim Eade

12:25

13:55

## Neutronics

Session | Location: Aomori, Japan

13:55–14:35

### Neutronics and tritium fuel cycle R&D activities for fusion development in China

#### Speaker

Shanliang Zheng

14:35–15:15

### OpenMC: a modern, high-performance nuclear design and analysis toolkit for fusion power plants

#### Speaker

Ethan Peterson

15:15

15:45

## Neutronics

Session | Location: Aomori, Japan

15:45–16:10

### Discussion on key points

#### Speakers

Lee Packer, Saerom Kwon

16:10–16:25

### Summary

16:25