



Wednesday, April 24

Registration Open

08:00-
2F, Lobby

Plenary Session 2

08:30-10:30
Room A (Grand Ballroom A, 2F)

Coffee Break

10:30-11:00
2F, Lobby

Oral Session 05

[O5A]
11:00-12:30
Room A (Grand Ballroom A, 2F)

[O5B]
11:00-12:25
Room B (Grand Ballroom B, 2F)

Lunch Break

12:30-14:00

Excursion

14:00-18:00



Plenary Session 2

Wednesday, April 24 / 08:30-10:30

Room A (Grand Ballroom A, 2F)

PL4 08:30-09:10

Progress of Tritium Science and Technology for Fusion Energy in China

Shuming Peng*

China Academy of Engineering Physics, China

PL5 09:10-09:50

Tritium Activities at the University of Rochester's Laboratory for Laser Energetics

W. T. Shmayda*, M. Sharpe, C. Fagan, M. D. Wittman, R. F. Earley

Laboratory for Laser Energetics, USA

PL6 09:50-10:30

Tritium-Related Activities in the RF

Arkadiy Yukhimchuk*

*The Russian Federal Nuclear Center – All-Russian Scientific Research Institute of Experimental Physics,
Russian Federation*



Oral Sessioin 05

[O5A]

Wednesday, April 24 / 11:00-12:30

Room A (Grand Ballroom A, 2F)

O5A.1 11:00-11:25

Qualification Tests for Detritiation to Validate Scrubber Column Technology for Use at ITER DS with a Pilot-Scale Scrubber Column

Yuki Edao^{1*}, Rie Kurata¹, Yasunori Iwai¹, Kanetsugu Isobe¹, Toshihiko Yamanishi¹, Takumi Hayashi¹, Scott Willms²

¹National Institutes for Quantum and Radiological Science and Technology, Japan, ²International Thermonuclear Experimental Reactor, France

O5A.2 11:25-11:50

Physico-Chemical Methods of Handling Tritiated Water and Gas Streams

Mikhail B. Rozenkevich*, Alexey N. Bukin, Sergey A. Marunich, Eldar P. Magomedbekov, Yury S. Pak, Irina L. Rastunova, Igor L. Selivanenko

D. Mendeleev University of Chemical Technology of Russia, Russian Federation

O5A.3 11:50-12:10

Hydrogen Isotope Separation Using Graphene Electrochemical Membrane

L. M. Anglette¹, C. South¹, L. Roy¹, S. Creager², X. Xiao^{1*}

¹Savannah River National Laboratory, USA, ²Clemson University, USA

O5A.4 12:10-12:30

Development and Operation of a Water Detritiation Facility Based on CECE Technology

Hou Jingwei, Chen Chao, Xiao Chengjian, Wang Heyi, Fu Xiaolong, Xia Xiulong, Gong Yu, Peng Shuming*

China Academy of Engineering Physics, China



Oral Sessioin 05

[O5B]

Wednesday, April 24 / 11:00-12:25

Room B (Grand Ballroom B, 2F)

O5B.1 11:00-11:25

Organically Bound Tritium (OBT) - New Challenges

BAGLAN Nicolas¹, Peron², Baglan¹

¹The French Alternative Energies and Atomic Energy Commission, France, ²Subatech, France

O5B.2 11:25-11:45

Characterisation and Treatment Methods Used for JET Tritiated Waste

Robert Vale*, Damian Brennan, James Bromley, Dave Coombs, Xavier Lefebvre, Steve Reynolds, Tomas Rey

United Kingdom Atomic Energy Authority, UK

O5B.3 11:45-12:05

Development of Fast Response Detector for Tritium Measurements in Dynamic Mode in Fusion Reactor

Chen Zhilin*, Peng Shuming, Chen Ping, Wu Guanyin, Yang Yang

China Academy of Engineering Physics, China

O5B.4 12:05-12:25

High Purity HD for Cross Calibration of Hydrogen Isotopologue Analytics

Robin Groessele¹*, Tim Brunst², Bennet Krasch¹, Sebastian Mirz¹

¹Karlsruhe Institute of Technology, Germany, ²Max Planck Institute for Physics, Germany