

Oral Session 03

03A

Date / Time : Tuesday, April 23 / 11:00-12:50

Place : 2F, Room A (Grand Ballroom A)

Session Chair : Qiang Qi (CAS, China) / Taylor Glover (KAIST, Republic of Korea)

03A.1 11:00-11:25 [I.O]

Measurements of the Effective Thermal Conductivity of a Solid Tritium Breeder Pebble Bed under Neutron Irradiation

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03A.2 11:25-11:50 [I.O]

Development of WCCB Test Blanket

Yoshinori Kawamura^{1*}, Hyoseong Gwon¹, Wenhai Guan¹, Hisashi Tanigawa¹, Takanori Hirose¹, Atsushi Wakasa¹, Kentaro Hattori¹, Noriaki Chiba¹, Tamon Ouchi¹, Seiji Yoshino¹, Seiji Mori², Hiromasa Iida², Takumi Yamamoto², Hiroyasu Uto¹, Yoji Someya¹

¹National Institutes for Quantum and Radiological Science and Technology, Japan, ²Nippon Advanced Technology, Japan

03A.3 11:50-12:10

The Isotopic Effect on Tritium Permeation in Breeding Blankets

Carlos Moreno*, Fernando R. Urgorri, David Rapisarda

Centre for Energy, Environment and Technology, Spain

03A.4 12:10-12:30

Progress of HCCR TBM and Its Tritium Extraction System Development

Mu-Young Ahn^{1*}, Seungyon Cho¹, Youngmin Lee¹, Soon Chang Park¹, Seok-Kwon Son¹, Yi-Hyun Park¹, Duck Young Ku¹, Chang-Shuk Kim¹, Jongil Kim¹, Don Won Lee², Cheol Woo Lee², Seong Dae Park²

¹National Fusion Research Institute, Republic of Korea, ²Korea Atomic Energy Research Institute, Republic of Korea

03A.5 12:30-12:50

Conceptual Design of the EU DEMO Tritium Extraction and Removal System Based on Permeation Against Vacuum Technology

Roberto Bonifetto^{1*}, Laura Savoldi¹, Marco Utili², Domenico Valerio¹

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