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## Oral Sessioin 03

### [O3A]

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

Room A (Grand Ballroom A, 2F)

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#### O3A.1 11:00-11:25

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

Qin Zhan<sup>1</sup>, Hongguang Yang<sup>1\*</sup>, Shanshan Liu<sup>1</sup>, Zhibo Han<sup>1</sup>, Beibei Luo<sup>1</sup>, Yanyan Ge<sup>1</sup>, Jiyin Zhu<sup>1</sup>, Liling Yang<sup>1</sup>, Yan Tang<sup>2</sup>

<sup>1</sup>China Institute of Atomic Energy, China, <sup>2</sup>University of Chong Qin, China

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#### O3A.2 11:25-11:50

##### Development of WCCB Test Blanket

Yoshinori Kawamura<sup>1\*</sup>, Hyoseong Gwon<sup>1</sup>, Wenhai Guan<sup>1</sup>, Hisashi Tanigawa<sup>1</sup>, Takanori Hirose<sup>1</sup>, Atsushi Wakasa<sup>1</sup>, Kentaro Hattori<sup>1</sup>, Noriaki Chiba<sup>1</sup>, Tamon Ouchi<sup>1</sup>, Seiji Yoshino<sup>1</sup>, Seiji Mori<sup>2</sup>, Hiromasa Iida<sup>2</sup>, Takumi Yamamoto<sup>2</sup>, Hiroyasu Uto<sup>1</sup>, Yoji Someya<sup>1</sup>

<sup>1</sup>National Institutes for Quantum and Radiological Science and Technology, Japan, <sup>2</sup>Nippon Advanced Technology, Japan

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#### O3A.3 11:50-12:10

##### The Isotopic Effect on Tritium Permeation in Breeding Blankets

Carlos Moreno\*, Fernando R. Ugorri, David Rapisarda

Centre for Energy, Environment and Technology, Spain

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#### O3A.4 12:10-12:30

##### Progress of HCCR TBM and Its Tritium Extraction System Development

Mu-Young Ahn<sup>1\*</sup>, Seungyon Cho<sup>1</sup>, Youngmin Lee<sup>1</sup>, Soon Chang Park<sup>1</sup>, Seok-Kwon Son<sup>1</sup>, Yi-Hyun Park<sup>1</sup>, Duck Young Ku<sup>1</sup>, Chang-Shuk Kim<sup>1</sup>, Jongil Kim<sup>1</sup>, Don Won Lee<sup>2</sup>, Cheol Woo Lee<sup>2</sup>, SeongDae Park<sup>2</sup>

<sup>1</sup>National Fusion Research Institute, Republic of Korea, <sup>2</sup>Korea Atomic Energy Research Institute, Republic of Korea



April 22–26, 2019, Haeundae Grand Hotel Busan, Korea

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**O3A.5 12:30-12:50**

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**Overview on Tritium Transport Modelling Activities for TBM Systems and Breeding Blanket Concepts in Europe**

Italo Ricapito<sup>1\*</sup>, Carlos Moreno<sup>2</sup>, David Rapisarda<sup>2</sup>, Almudena Rueda<sup>3</sup>, Jenifer Serna<sup>3</sup>, Fernando R. Urgorri<sup>2</sup>, Yves Poitevin<sup>4</sup>

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