
Oral Session 07

07A

Date / Time : Thursday, April 25 / 14:00-15:30

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

Session Chair : Mu-Young Ahn (NFRI, Republic of Korea) / Dave Robinson (SNL, Mexico)

07A.1 14:00-14:25 [I.O]

Simultaneous Measurement of Deuterium Permeation and Lithium-Lead Corrosion for Tritium Permeation Barrier Coatings

Takumi Chikada^{1*}, Moeki Matsunaga¹, Kazuki Saito², Kazuki Nakamura¹, Keisuke Kimura¹, Hikari Fujita³, Yoshimitsu Hishinuma⁴, Teruya Tanaka⁴

¹Shizuoka University, Japan, ²SOKENDAI, Japan, ³The University of Tokyo, Japan, ⁴National Institute for Fusion Science, Japan

07A.2 14:25-14:50 [I.O]

Molecular Dynamics Simulation for Behaviors of Helium in Uranium and Uranium Tritide

Takuji Oda^{1*}, Jae-Uk Lee², Hyun-Goo Kang², Min Ho Chang²

¹Seoul National University, Republic of Korea, ²National Fusion Research Institute, Republic of Korea

07A.3 14:50-15:10

Study of Electrolyser Materials at High Tritium Concentrations

H. Boniface*, T. Whitehorne, C. Muirhead, H. Li, R. Carson, S. Suppiah

Canadian Nuclear Laboratories., Canada

07A.4 15:10-15:30

Thin-Alumina Films as a Tritium Adsorption Inhibitor for Stainless-Steel 316

Cody Fagan*, Daniel Bassler, Matthew Sharpe, W.T. Shmayda, W.U. Schroeder

University of Rochester, USA