

Integrated Modeling of DIII-D Super H-Mode using Improved Pedestal Physics and Integrated Core-Pedestal-Boundary Physics to Optimize Fusion Performance

Friday 17 October 2025 09:50 (20 minutes)

Speaker's email address

kimkyungjin@fusion.gat.com

Speaker's Affiliation

Oak Ridge National Laboratory, Oak Ridge

Member State or IGO

United States

Gender Survey (Speaker Only)

Ms

Author: KIM, Kyungjin (Oak Ridge National Laboratory)

Co-authors: STAEBLER, Gary (Oak Ridge National Laboratory); PARK, Jae-Sun (Oak Ridge National Laboratory); LORE, Jeremy (Oak Ridge National Laboratory); PARK, Jin Myung (Oak Ridge National Laboratory); KNOLKER, Matthias (General Atomics); SHAFER, Morgan (Oak Ridge National Laboratory); SNYDER, Philip (Oak Ridge National Laboratory); WILCOX, Robert (Oak Ridge National Laboratory); WILKS, Theresa (UsMIT); Dr OSBORNE, Thomas (General Atomics)

Presenter: KIM, Kyungjin (Oak Ridge National Laboratory)

Session Classification: Next Generation Modelling

Track Classification: TH - Magnetic Fusion Theory and Simulation: TH-P - Pedestal, Core-edge, Turbulence