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Subject: Internship Evaluation Letter of Mr. Yu Fujiwara

Reference: **FTIC/2025/OUT/0018 (EMUVJV)**

To Whom It May Concern,

I am pleased to provide this evaluation letter for Mr. Yu Fujiwara, who completed a six-month internship at the ITER Organization headquarters in Saint-Paul-lez-Durance, France, from January 6 to June 27, 2025.

During his internship, Yu contributed to the Neutronic Modelling and Simulation Studies for the Neutron Activation System (NAS) in ITER Plasma. This work is central to the development of neutron diagnostic calibration for ITER and plays a critical role in ensuring that fusion power measurements on ITER are highly accurate using NAS alongside other diagnostics.

Yu's main responsibility was to develop a detailed neutronic model of the NAS using OpenMC, based on high-fidelity CAD data. After converting the models from CAD format to OpenMC, he conducted comprehensive model assessment tests to validate their accuracy. Subsequently, he performed multiple simulations to evaluate the overall performance of the NAS.

Throughout his internship, Yu successfully carried out the assigned simulations and tasks. His contributions have significantly advanced the project and will be incorporated into a scientific paper intended for submission to a peer-reviewed journal, as well as being presented at the ITER neutron diagnostic calibration design review gate.

Yu demonstrated the ability to work independently and showed strong commitment to meeting deadlines. The tasks he handled involved several technical challenges, particularly related to the conversion of CAD data into OpenMC-compatible formats, which he managed effectively. Based on his performance, I am confident that Yu possesses the scientific foundation and technical expertise necessary for the successful completion of his doctoral thesis.

Sincerely,

Bruno CORITON
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