

Erratum: “Estimation of the Tritium Yields in Deuterium Fusion Plasmas Considering the Fast-Ion Velocity Distribution Function” [Plasma Fusion Res. 17, 2402023 (2022)]

Hideo NUGA^{1)*}, Ryosuke SEKI^{1,2)}, Kunihiro OGAWA^{1,2)}, Shuji KAMIO¹⁾, Yutaka FUJIWARA³⁾,
Hiroyuki YAMAGUCHI^{1,2)}, Masaki OSAKABE^{1,2)}, Mitsutaka ISOBE^{1,2)}, Masayuki YOKOYAMA^{1,2)}

¹⁾ National Institute for Fusion Science, National Institutes of Natural Sciences, Toki 509-5292, Japan

²⁾ The Graduate University for Advanced Studies, SOKENDAI, Toki 509-5292, Japan

³⁾ NTT Space Environment and Energy Laboratories, Tokyo 180-8585, Japan

(Received 1 April 2025 / Accepted 3 April 2025)

© 2025 The Japan Society of Plasma Science and Nuclear Fusion Research

DOI: 10.1585/pfr.20.1902029

There were errors (but not influential) in the simulation results. The authors wrote, “Full, half, and one-third fractions of the beam injection energy for P-NBIs are assumed to be 0.78, 0.16, and 0.06, respectively” in Sec. 3. However, the different values had been set as the power fractions in the actual implementation. The fixed results, which replace the original Fig. 5, are shown in Fig. 1.

This amendment changes the cumulative Y_t/Y_n from 0.936 to 0.937 at the end of the 22nd campaign. According to this change, the value of 0.936 that appeared in the main text should be replaced with 0.937.

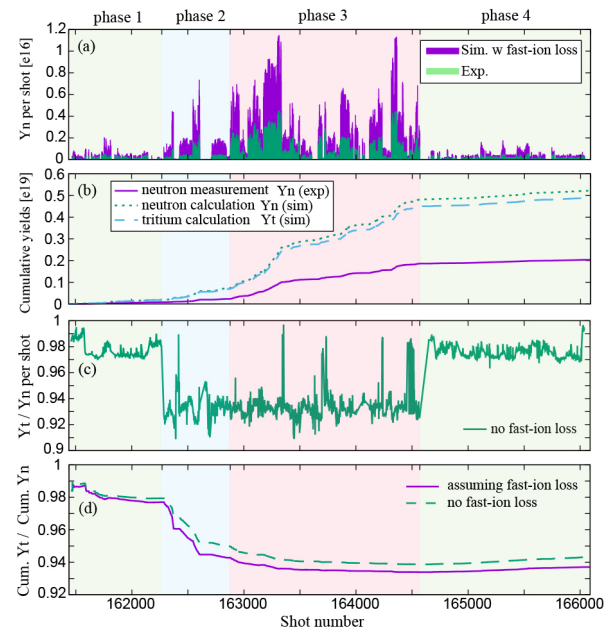


Fig. 1. (a) Measured and simulated neutron yields per discharge, (b) cumulative neutron yields (measured and simulated) and cumulative tritium yields (simulated) (c) the ratio of the tritium yields to the neutron yields per discharge, and (d) the ratio of the cumulative tritium yields to the cumulative neutron yields are shown.

*Corresponding author's e-mail: nuga.hideo@nifs.ac.jp