

# JOURNAL OF PLASMA AND FUSION RESEARCH

*The Journal of the Japan Society of Plasma Science and Nuclear Fusion Research*

Vol. 94, No.6, June 2018

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A schematic view of the TOKASTAR-2 device. It is a tokamak-stellarator hybrid device that contains seven types of magnetic field coils. Local helical coils composed of two parallelogram-shaped outer ones (HF coils) and four fan-shaped upper and lower ones (AHF coils) are used together with vertical field coils (VF coils) to generate closed flux surfaces. (Hiromasa ITOU *et al.*, Plasma and Fusion Research, Vol.13, 1402039 (2018) <http://www.jspf.or.jp/>)