

JOURNAL OF PLASMA AND FUSION RESEARCH

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

Vol. 98, No. 6, June 2022

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Typical orbits of positrons trapped in a dipole magnetic field created by an annular current (top view from the axial direction of the annular coil). In a compact dipole trap to generate electron-positron plasmas, the orbits of positrons with kinetic energy above a relatively low threshold value (several tens of eV) are chaotic, which can be applied to an efficient injection method.

(Haruhiko SAITOH and Itsuki TANIOKA, Plasma and Fusion Research, Vol. 17, 2401026 (2022) <http://www.jspf.or.jp/>)



Published Monthly by

The Japan Society of Plasma Science and Nuclear Fusion Research

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