

JOURNAL OF PLASMA AND FUSION RESEARCH

The Journal of the Japan Society of Plasma Science and Nuclear Fusion Research
Vol. 82, No.5, May 2006

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Poloidal motion of the serpent measured by an AXUV (absolute extreme ultraviolet) photodiode array. The serpent is a helical radiation belt moving in both the poloidal and toroidal directions, which appears in the Serpens mode (self-sustained complete detachment) phase in LHD. The rotation speed increases with the heating power (J. Miyazawa *et al.*, Plasma and Fusion Research Vol.1, 026 (2006) May. <http://www.jspf.or.jp/PFR/>).

Published Monthly by

The Japan Society of Plasma Science and Nuclear Fusion Research

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