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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/).