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numerical simulation of laminar plasma dynamos in a ... - the present paper is motivated by the madison plasma couette experiment mpcx ,15 which is designed to study mhd phenomena driven by plasma $\tilde{\Lambda}\tilde{\Lambda}\tilde{\Lambda}$ ows. one of the nov-elties of this experiment is the ability to change the magnetic prandtl number of the plasma by several orders of magnitude from pm 1topm 1. this $\tilde{\Lambda}\tilde{\Lambda}\tilde{\Lambda}$ exibility makes it possible to

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magnetic bucket for rotating unmagnetized plasma - review of scientific instruments 83, 063502 (2012) magnetic bucket for rotating unmagnetized plasma noam katz,a) cami collins, john wallace, mike clark, david weisberg, jon jara-almonte, ingrid reese, carl wahl, and cary forest department of physics, university of wisconsin, madison, wisconsin 53706, usa

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