

Abstract Submitted
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Exotic Light Particle Searches with ADMX GRAY RYBKA, S.J. ASZTALOS, R. BRADLEY, G. CAROSI, C. HAGMANN, J. HOSKINS, M. HOTZ, J. HWANG, D. KINION, L. ROSENBERG, P. SIKIVIE, D.B. TANNER, K. VAN BIBBER, ADMX Collaboration — The ADMX experiment searches for dark matter axions converting to microwave photons via a resonantly-enhanced Primakoff interaction. However, the ADMX setup also has the potential to be sensitive to a host of other light beyond-Standard Model particles. Examples of these are scalar chameleons, which may play a role in dark energy, and hidden sector photons, a common feature of many Standard Model extensions. The results of a search for scalar chameleons using ADMX and plans for a two cavity hidden sector photon search will be presented.

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