

Abstract Submitted
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First results from ADMX Experiment: Phase IIa¹ GRAY RYBKA,
University of Washington, ADMX COLLABORATION, ADMX-HF COLLABO-
RATION — The Axion, a light pseudo-scalar particle predicted as a consequence of
the Peccei-Quinn solution to the Strong CP problem, is a compelling dark matter
candidate with a well predicted coupling to the photon. The Axion Dark Matter
Experiment (ADMX) is a microwave cavity experiment that has recently completed
a full system upgrade and begun a comprehensive search for dark matter axions.
The sensitivity of the newly upgraded experiment will be discussed and early results
will be shown.

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