

## Recent Progress in ARIADNE

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Axion is CP-odd scalar particle that remains the most prominent solution of the strong CP problem many decades after its first prediction and is a very well-motivated dark matter candidate as well. Axions could also be linked with new macroscopic P-odd and T-odd spin-dependent interactions which can be probed in sensitive laboratory experiments. ARIADNE (Axion Resonant InterAction DetecioN Experiment) is a novel experiment designed to test the exotic spin-dependent long-range interaction mediated by axion. We report recent progress and future plan in ARIADNE including the design of SQUID gradiometer.

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