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Searches of axion-like particles via photon fusion at the FCC-ee

Prospects for measurements of axion-like particles (ALPs) produced via photon-photon fusion in $e+e-$ collisions at the FCC-ee will be presented. Competitive exclusion limits, better by up to a factor of 10 compared to the best achievable bounds expected at any other facility before FCC-ee, can be reached in various regions of ALP mass versus ALP-photon coupling. FCC-ee detector considerations needed to achieve such results will be also discussed.

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