

The ALPS II experiment at DESY

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The Any Light Particle Search II (ALPS II) experiment at DESY will look for axion-like particles (ALPs) with low masses ($m < 10^{-4}$ eV). ALPS II is a purely laboratory-based experiment, where ALPs could be produced and detected employing the light-shining-through-wall (LSW) technique using infrared photons with a wavelength of 1064 nm. ALPS II utilizes the concept of resonant enhancement on the production and regeneration side to improve the sensitivity of traditional LSW-experiments. Construction is planned to finish end of 2020. The talk will present the current status of ALPS II.

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