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Early studies of detector optical calibrations for DEAP-3600

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The DEAP-3600 experiment is looking for dark matter WIMPs by detecting the scintillation light produced by a recoiling liquid argon nucleus. Using a 1 tonne fiducial volume a WIMP-nucleon cross section sensitivity of 10^{-46} cm² is expected for 3 years of data taking for a 100 GeV WIMP. DEAP-3600 has been designed for a target background of 0.6 events in the WIMP region of interest in 3 years of data taking. In this talk I will present the status of the commissioning of the optical data collected by DEAP.

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