

LiquidO project

LiquidO is a new detector concept in which a diffuse scattering “liquid” scintillating medium is readout by wavelength shifting fibres. This novel technique enables powerful particle identification and strong background rejection. LiquidO has very promising sensitivity for many neutrino physics measurements that benefit from scintillator with very high loading. This is because the transparency requirement for the scintillator can be relaxed. This talk will present the background identification capabilities of LiquidO and discuss the detector’s low radioactivity background requirements.

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