

- hermetically sealed housing with monochromator and electronics 2- point-like isotropic light source 3- receiver motion drive 4- screen 5 – system of light source shading 6- wide angle light receiver 7-rope d=3mm





[2] A. Avrorin, et al., Asp-15—A stationary device for the measurement of the optical water properties at the NT200 neutrino telescope site, Nuclear Instruments & Methods In Physics Research A (2012), http://dx.doi.org/10.1016/j.nima.2012.06.035

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In 2020, we managed to implement continuous monitoring in situ of absorption and scattering lengths of light with wavelength 375÷532nm within the effective volume of the deep underwater neutrino telescope Baikal-GVD using the «BAIKAL-5D» device without performing maintenance and adjustment procedures for 9 months. The values of the absorption and scattering coefficients coincide with good accuracy with the previously obtained data and the 2021 measurements by «BAIKAL-5D» No2 - the improved version of the device «BAIKAL-5D».

Absorption spectrum 05/05/21, depth 1180m