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Overview of the Baikal-GVD neutrino telescope status 2024

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Baikal-GVD is a water Cherenkov neutrino telescope under construction in Lake Baikal that annually increases its detection volume. The winter expedition 2024 concluded at 110 strings with 3 960 optical modules underwater. The number of operationally and functionally independent sub-arrays (clusters) increased to 14. The modular design of the detector allows for data collection while being in the construction phase. This contribution reviews the design and basic characteristics of Baikal-GVD, currently the largest operating neutrino telescope in the Northern Hemisphere. Results of high-energy cascade events analysis that confirms the astrophysical diffuse neutrino flux at the level above 3σ will be discussed. Selected set of first high-energy events registered in track channel by Baikal-GVD will be shown. Participation in high-energy alert follow-ups will be presented.

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