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Online software for Baikal-GVD

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The Baikal-GVD Deep-Underwater Neutrino Telescope is a cubic-kilometre detector currently being constructed in Lake Baikal. It generates about 100 GB of data daily. To obtain reliable high-quality data and to ensure stable operation of the detector, the online software has been developed. In the talk, we review the main components, architecture, principles of the software for data acquisition, as well as the logic of the trigger system, real-time monitoring of the detector and its control systems, data storage and transmission. The results of detector operation are presented as a data bank.

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