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BESIII TOF monitoring system QIAN LIU, FREDERICK HARRIS, JAMES KENNEDY, STEVE OLSEN, MARC ROSEN, CHENGPING SHEN, GARRY VARNER, YUEKUN HENG, ZHIJIA SUN, JINJIE WU, KEJUN ZHU, QI AN, CHANGQING FENG, SHUBIN LIU, DEPT. OF PHYSICS AND ASTRONOMY, UNIVERSITY OF HAWAII TEAM, INSTITUTE OF HIGH ENERGY PHYSICS, C.A.S COLLABORATION[1], DEPT. OF SCIENCE AND TECHNOLOGY, USTC TEAM — A monitor system of Beijing Spectrometer (BESIII) Time of flight (TOF) has been fabricated, installed and operated successfully during the BESIII running. The light source is 442 443 nm laser diode, which is stable and provides a pulse width as narrow as 50 ps and a peak power as large as 2.6 W. Two optical-fiber bundles with a total of 512 optical fibers are used to distribute the light to the TOF counters. The system is used to check the performance of each TOF daily during BESIII running. The paper presents the current performance of the system.

[1]BES

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