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The DZERO Run 2 L3/DAQ System Performance

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The DZERO experiment records proton-antiproton collisions at the Fermilab Tevatron collider. The DZERO Level 3 data acquisition (DAQ) system is required to transfer event fragments of approximately 1-20 kilobytes from 63 VME crate sources to any of approximately 240 processing nodes at a rate of 1 kHz. It is built upon a Cisco 6509 Ethernet switch, standard PCs, and commodity VME single board computers (SBCs). We will discuss the running experience of the system since 2002, the incremental upgrades, scaling capabilities, and how physics goals have altered the way we run the system.

Submitted on behalf of Collaboration (ex, BaBar, ATLAS)

DZERO

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