

SND DAQ system evolution

Monday, 10 October 2016 11:00 (15 minutes)

The SND detector takes data at the e+e- collider VEPP-2000 in Novosibirsk. We present here recent upgrades of the SND DAQ system which are mainly aimed to handle the enhanced events rate load after the collider modernization. To maintain acceptable events selection quality the electronics throughput and computational power should be increased. These goals are achieved with the new fast (Flash ADC) digitizing electronics and distributed data taking. The data flow for the most congested detector subsystems is distributed and processed separately. We describe the new distributed SND DAQ software architecture, its computational and network infrastructure.

Tertiary Keyword (Optional)

Secondary Keyword (Optional)

Primary Keyword (Mandatory)

DAQ

Primary author: BOGDANCHIKOV, Alexander (Budker Institute of Nuclear Physics (RU))

Presenter: BOGDANCHIKOV, Alexander (Budker Institute of Nuclear Physics (RU))

Session Classification: Track 1: Online Computing

Track Classification: Track 1: Online Computing