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Electronic Shift and handover log and much more, STAR Elog

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Keeping a clear and accurate experiment log is important for any scientific experiment. The concept is certainly not new but keeping accurate while useful records for a Nuclear Physics experiment such as RHIC/STAR is not a priori a simple matter –STAR operates 24 hours a day for six months out of the year with more than 24 shift crews operating 16 different subsystems (some located remotely).

To meet the challenge of not only logging the information but passing it in a concise manner from one shift to another, the STAR experiment has designed an electronic shift Log, a flexible application written in Java and interfacing with the Data Acquisition tools, Quality Assurance reporting, Online shift crews or remote personnel and experts as well as including features such as shift change-over (or handover) forms, tailored to the sub-group of interest. We will present an overview of STAR's Electronic Log a system that is clear, reliable, safe, consistent, easy to use, and globally viewable in real time with secure connection.

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

STAR

Authors: Dr LAURET, Jerome (BROOKHAVEN NATIONAL LABORATORY); Mr HAJDU, Levente (BROOKHAVEN NATIONAL LABORATORY)

Presenter: Mr HAJDU, Levente (BROOKHAVEN NATIONAL LABORATORY)

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