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## WEB Based Online Event Displays for KASCADE-Grande

*Wednesday, September 5, 2007 8:00 AM (20 minutes)*

The KASCADE-Grande experiment is a multi-detector installation at the site of the Forschungszentrum Karlsruhe, Germany, to measure and study extensive air showers induced in the atmosphere by primary cosmic rays in the energy range from  $10^{14}$  to  $10^{18}$  eV. For three of the detector components, WEB based online event displays have been implemented. They provide in a fast and simplified way actual information about energy deposits and arrival times of measured events and about the overall detector status. Besides the aspect of being able to show air shower events to interested people wherever there is an internet access available, these event displays are an easy and highly useful tool for controlling and maintaining tasks from remote places. The event displays are designed as client-server applications, with the server running as independent part of the local data acquisition. Simplified event data are distributed via socket connections directly to the java applets acting as clients. These clients can run in any common browser on any computer somewhere on the planet.

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

KASCADE-Grande

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