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Applying WR to facility-wide timing and control in FAIR

Monday 2 June 2014 14:45 (20 minutes)

When the GSI facility is expanded to eight ring and two linear accelerators for the FAIR project, a new control system will be deployed. In contrast to the existing system where coordination is achieved by broadcasting a start event, the new system schedules actions to be executed at a specified absolute timestamp, accurate to better than a nanosecond. GSI will deploy more than 200 WR switches and 2000 WR-based front-end controllers to distribute absolute time to all control systems in the facility.

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