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Next generation of radiation tolerant field-bus clients for QPS

Wednesday 3 February 2021 11:20 (20 minutes)

The existing LHC QPS field-bus clients showed vulnerability to the increasing radiation load during Run 2 affecting data integrity of protection data needed for a proper analysis of protection events. To overcome this issue, a new radiation tolerant FPGA-based field-bus client is currently under development. This talk gives an overview of the design solution and the development status.

Presenter: SPASIC, Jelena (CERN)

Session Classification: Developments