

## Research and Development for a Free-Running Readout System for the ATLAS LAr Calorimeters at the High Luminosity LHC



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For 2024 an upgrade of the LHC forsees a further increase of luminosity. The expected conditions will bring the current read-out electronics of the ATLAS LAr calorimeter system beyond their design parameters. The poster will present:

- Architecture of the Phase-II Readout System
- Radiation Tolerance Criteria
- Design Parameters of the Electronics
- Technologies which are under investigation



