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# High performance analysis with RDataFrame: Scaling and Interoperability

*Wednesday, 11 May 2022 10:55 (15 minutes)*

The unprecedented volume of data and Monte Carlo simulations at the HL-LHC will pose increasing challenges for data analysis both in terms of computing resource requirements as well as “time to insight”. Precision measurements with present LHC data already face many of these challenges today. I will discuss performance scaling and optimization of RDataFrame for complex physics analyses, including interoperability with Eigen, Boost Histograms, and the python ecosystem to enable this.

## Summary

**Primary author:** BENDAVID, Josh (MIT)

**Presenter:** BENDAVID, Josh (MIT)

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