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The Calorimeter Event Data Model for the ATLAS Experiment at LHC

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The event data model for the ATLAS calorimeters in the reconstruction software is described, starting from the raw data to the analysis domain calorimeter data. The data model includes important features like compression strategies with insignificant loss of signal precision, flexible and configurable data content for high level reconstruction objects, and backward navigation from the analysis data at the highest extraction level to the full event data. The most important underlying strategies will be discussed in this talk.

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