
**Cross-over:
Reduced Formats /
— Metadata+Systematics —**

Is this the future...?

**Reco → reduced format
→ on-the-fly syst → histograms (or tiny tree)**

Systematics in reduced formats

Precision

- Which workflows demand more input than can be placed in reduced formats?
- Systematics derivation on specialised formats
- Application of high precision (or non-parameterised) systematics
- Procedures for parameterisation (NN etc)

Workflows

- Tracking impact of systematics through analysis stages that touch many columns, e.g. object overlap removal, missing transverse momentum

Interfaces for on-the-fly systematics

Object-based expression of columns

- Propagating (progressively slimmed) object representation vs regenerating from columns
- Serves systematics tools as well as analysis operations
- A ~standalone, dynamic, persistent EDM?

Systematics book-keeping tools (inside or outside event loop)

- Hooks for visualisation, statistical analysis
- Least experiment-specific aspect?