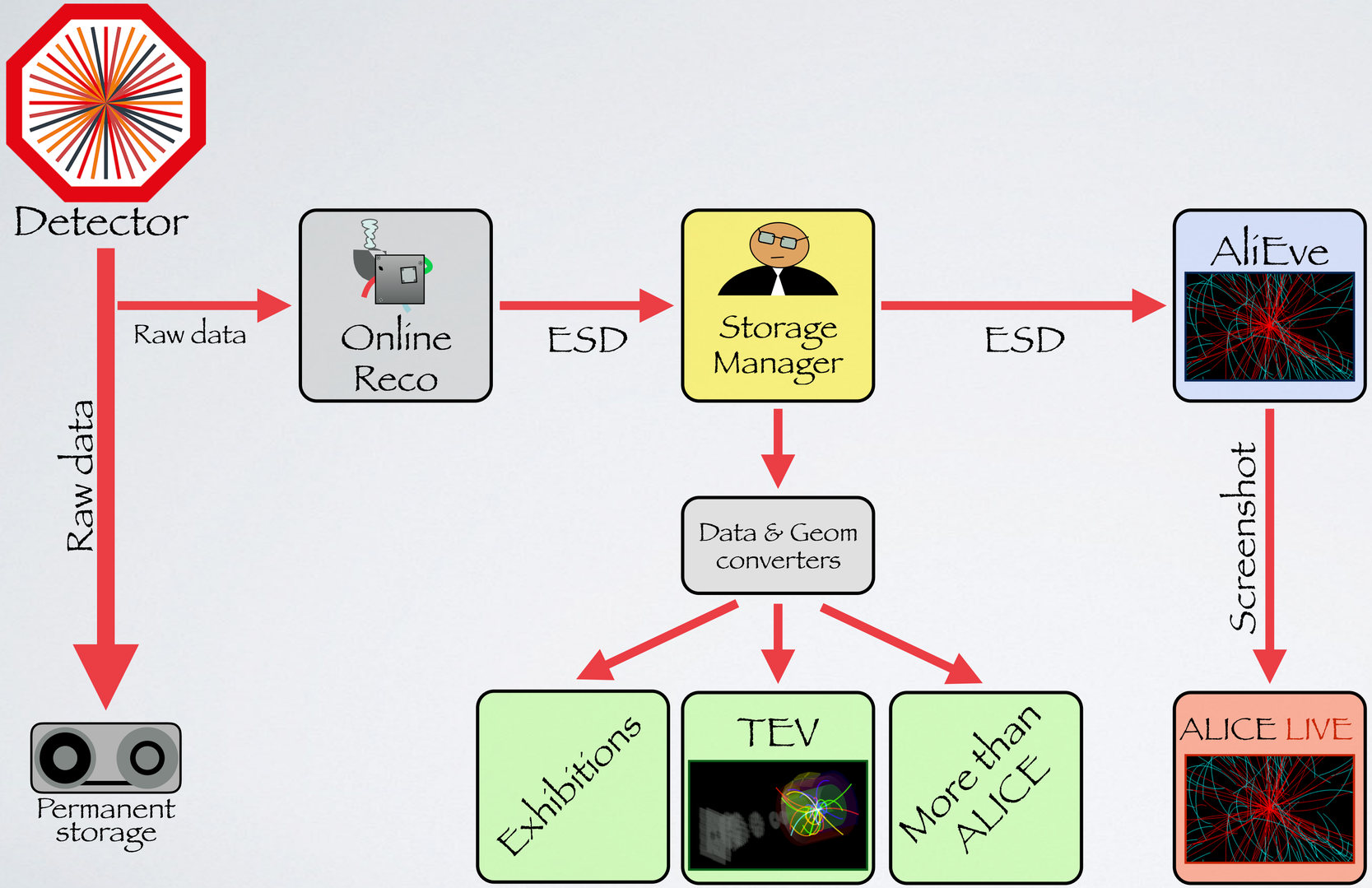
EVENT DISPLAY IN ALICE

PRESENT AND FUTURE

Barthélémy von Haller
CERN

Jeremi Niedziela
Warsaw University of Technology, CERN

CURRENT VISUALISATION SYSTEM OF ALICE



- Online reconstruction

we run offline-like reconstruction in online mode

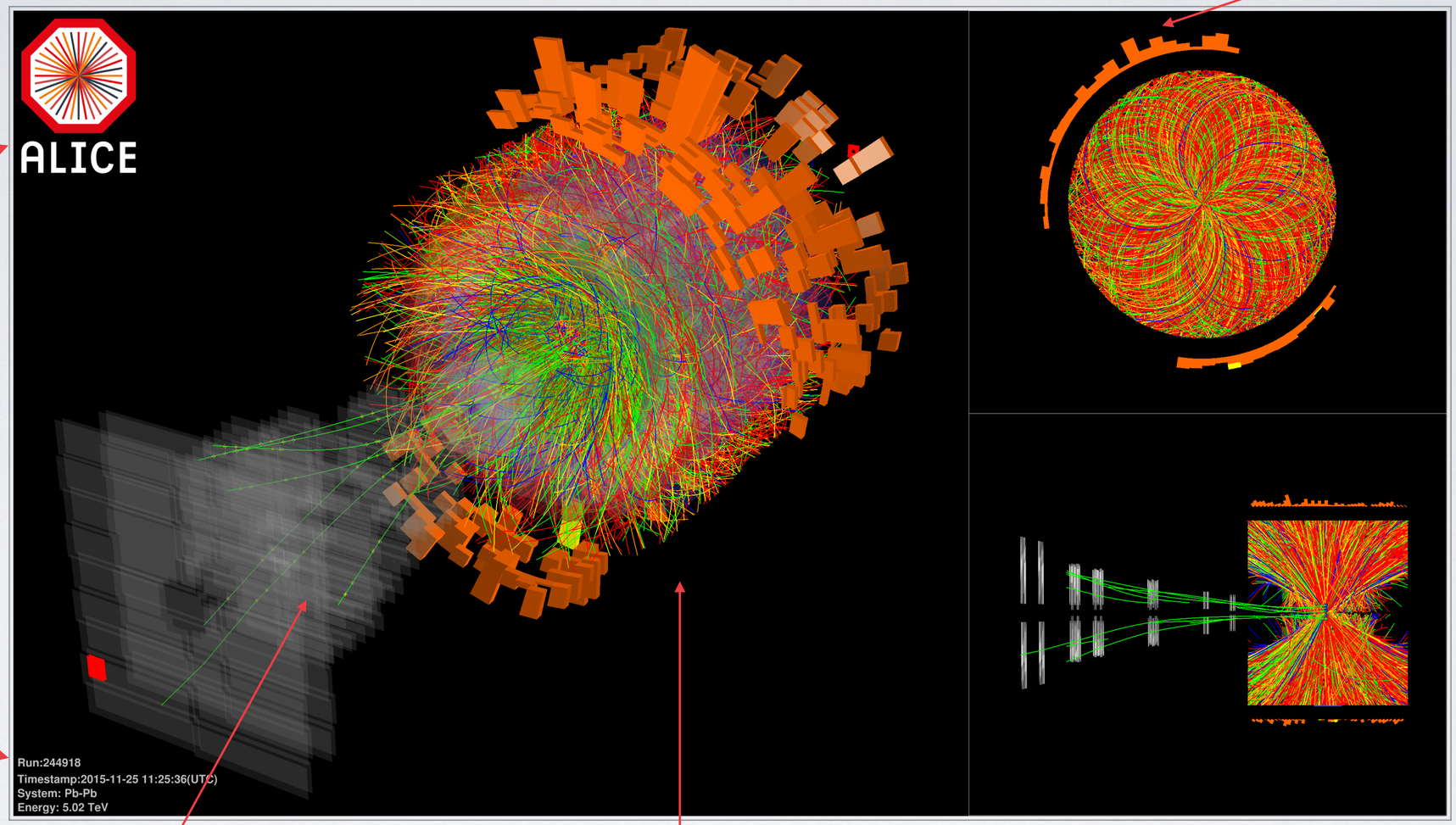
- Storage Manager

starts/stops reco, stores copy of reconstructed events, communicates with other modules

- AliEve

main ROOT-based visualisation tool

AliEve



Calorimeters

Logo

Projections

Event's details

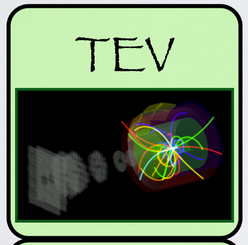
Geometry

Tracks by PID

Currently used technologies

MySQL
ZeroMQ

Collada
JSON
XML



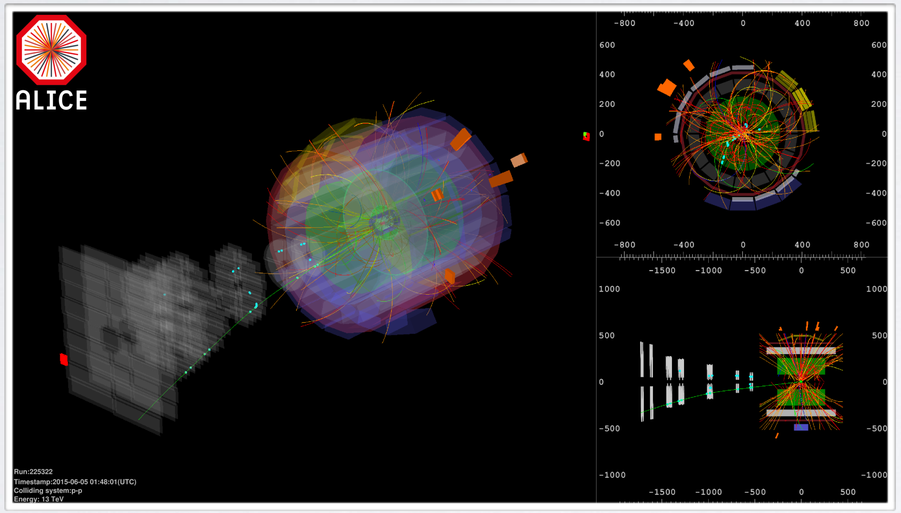
Unity
Vectrosity
Vuforia

ROOT
TEveManager

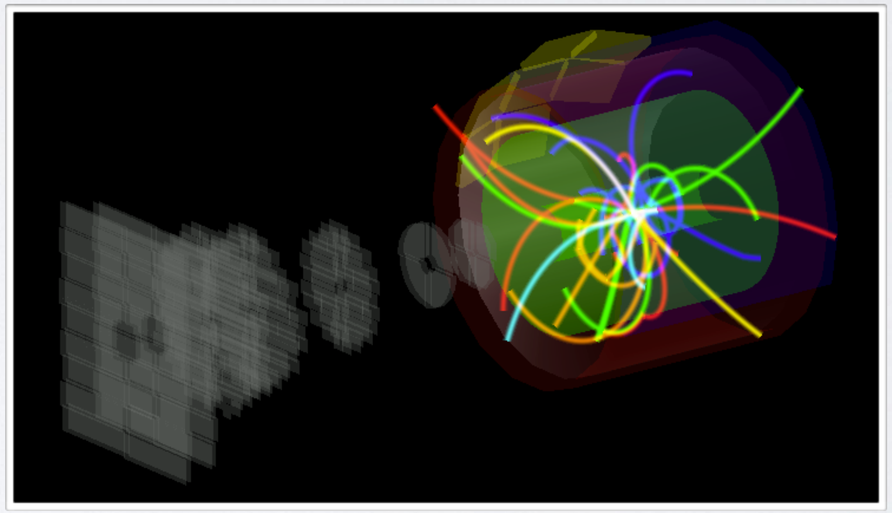
HTML (Pictures)

Plan for Run 3

For Run 3 we are going to pursue **two** different solutions in parallel.



AliEve



TEV

Plan for Run 3

- Starting from reconstructed Time Frame.
- Storage Manager has to deal with new data types.
- AliEve must be able to visualise new data types.
- Data converter should be adapted to new data types.
- New geometry has to be prepared.
- Geometry converter should be tested with the new geometry.
- Distinction between events in Compressed Time Frames not so obvious - tracks like in a movie (?)