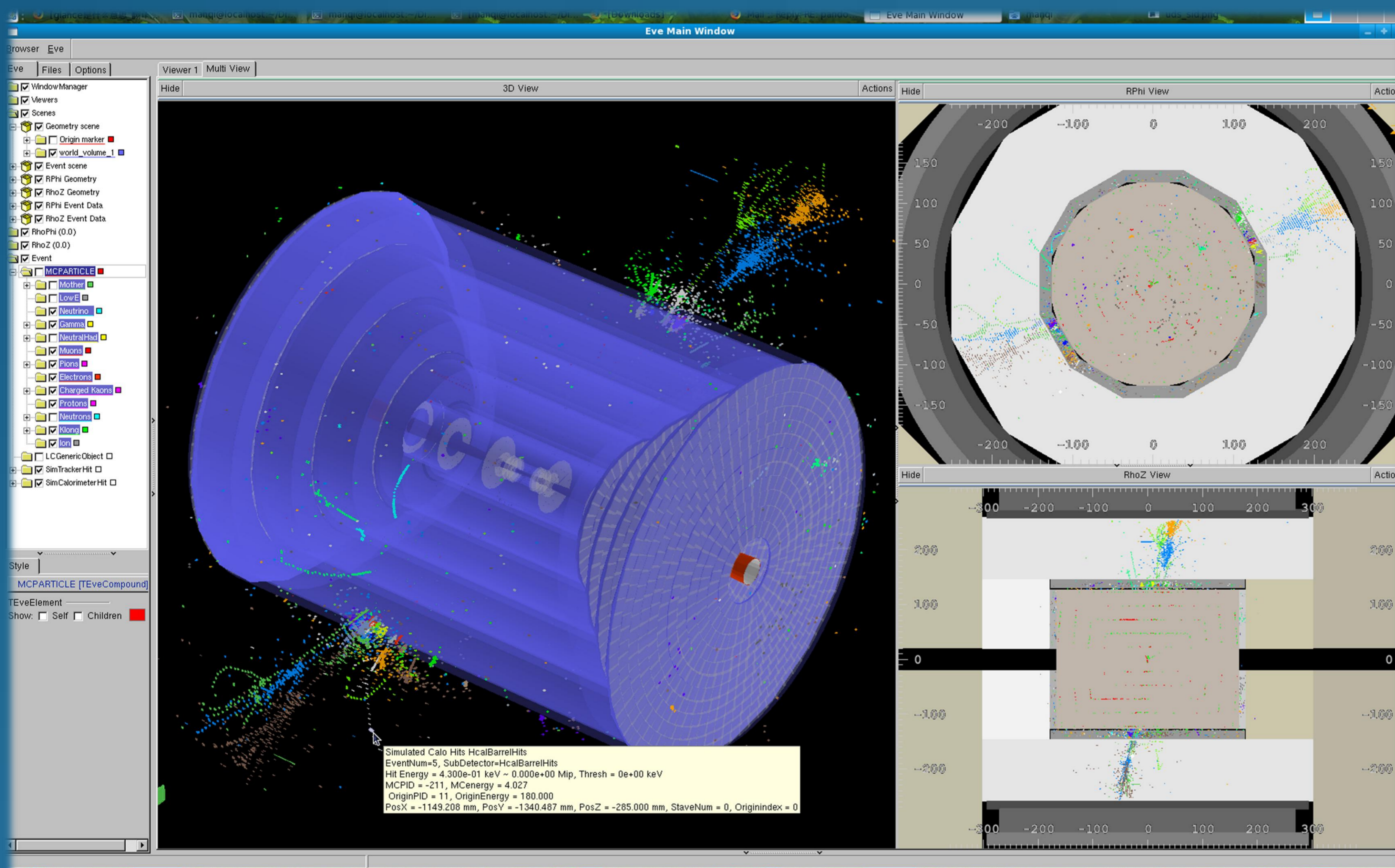


Motivation: to understand simulated/experimental data, to verify detector geometry, to debug reconstruction/analysis code & online/offline monitoring...

ROOT^[1] & LCIO^[2]: utilizing root TEve^[3] object to visualize event data (based on LCIO file) and TGeo object to visualize detector geometry (based on gdml^[4] file)

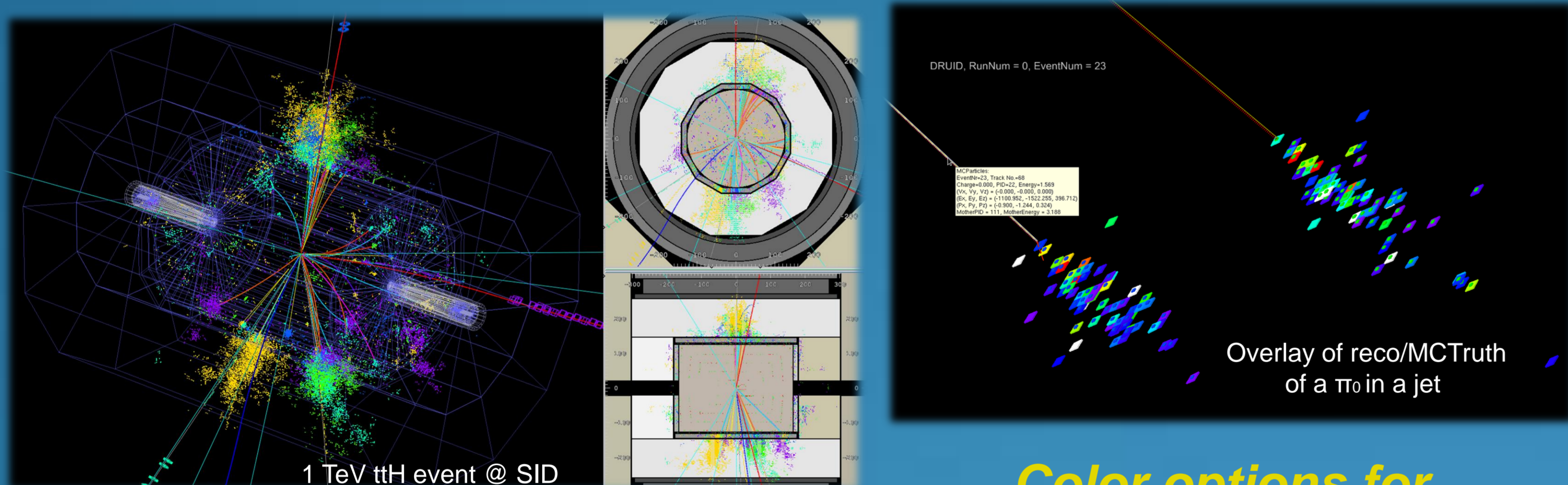
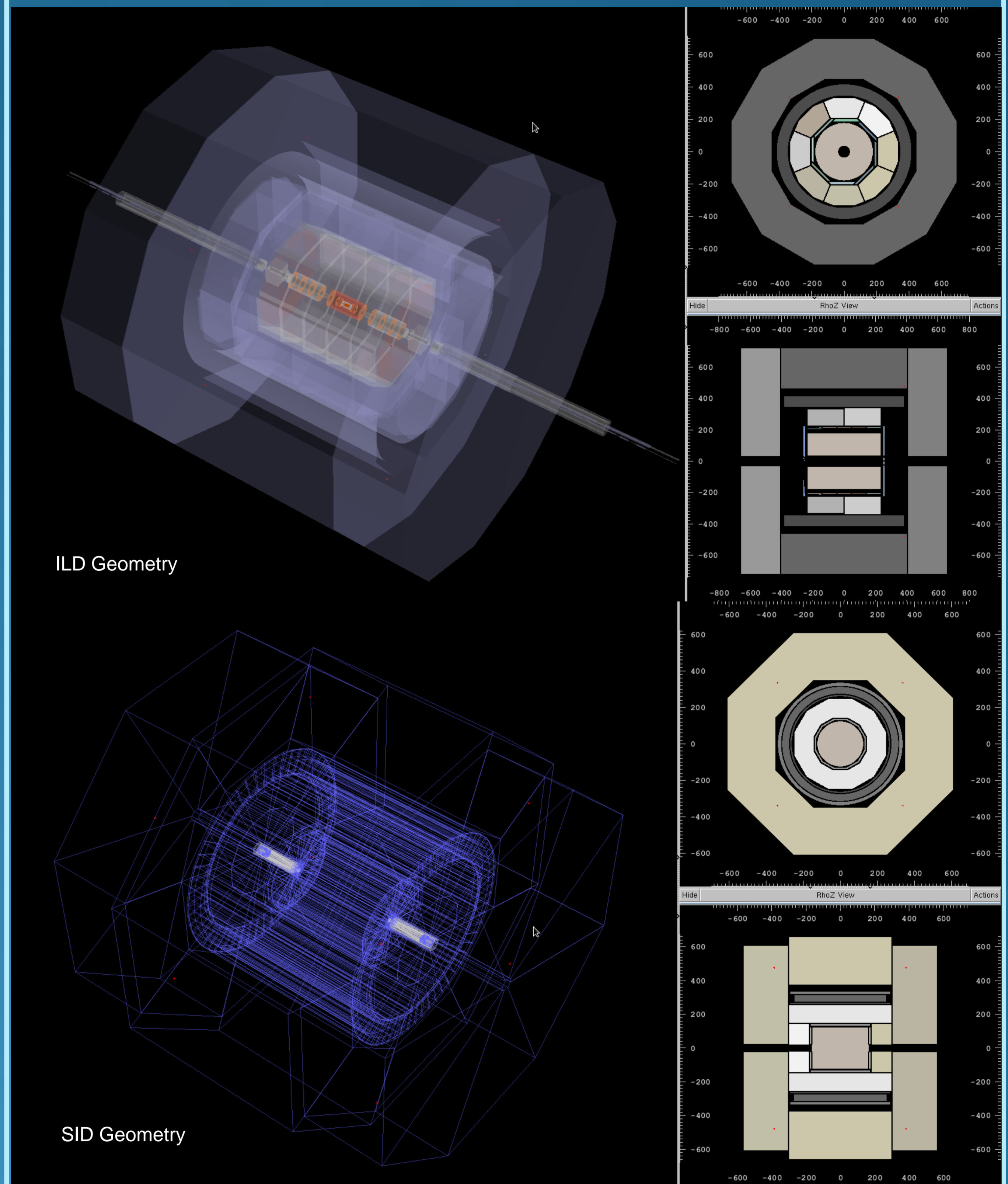
Event data

Independent event/geometry browsers allow arbitrary combination and overlay of different object selections, mouse-pick text information, zoom in/out, rotate, adjustable background illumination, reference frame & point...

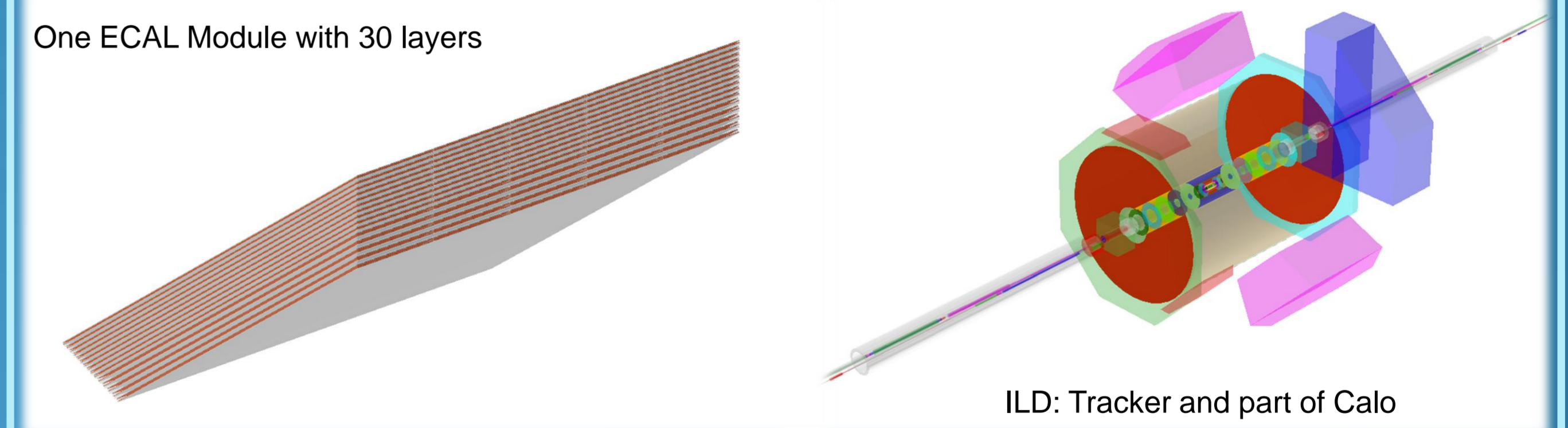
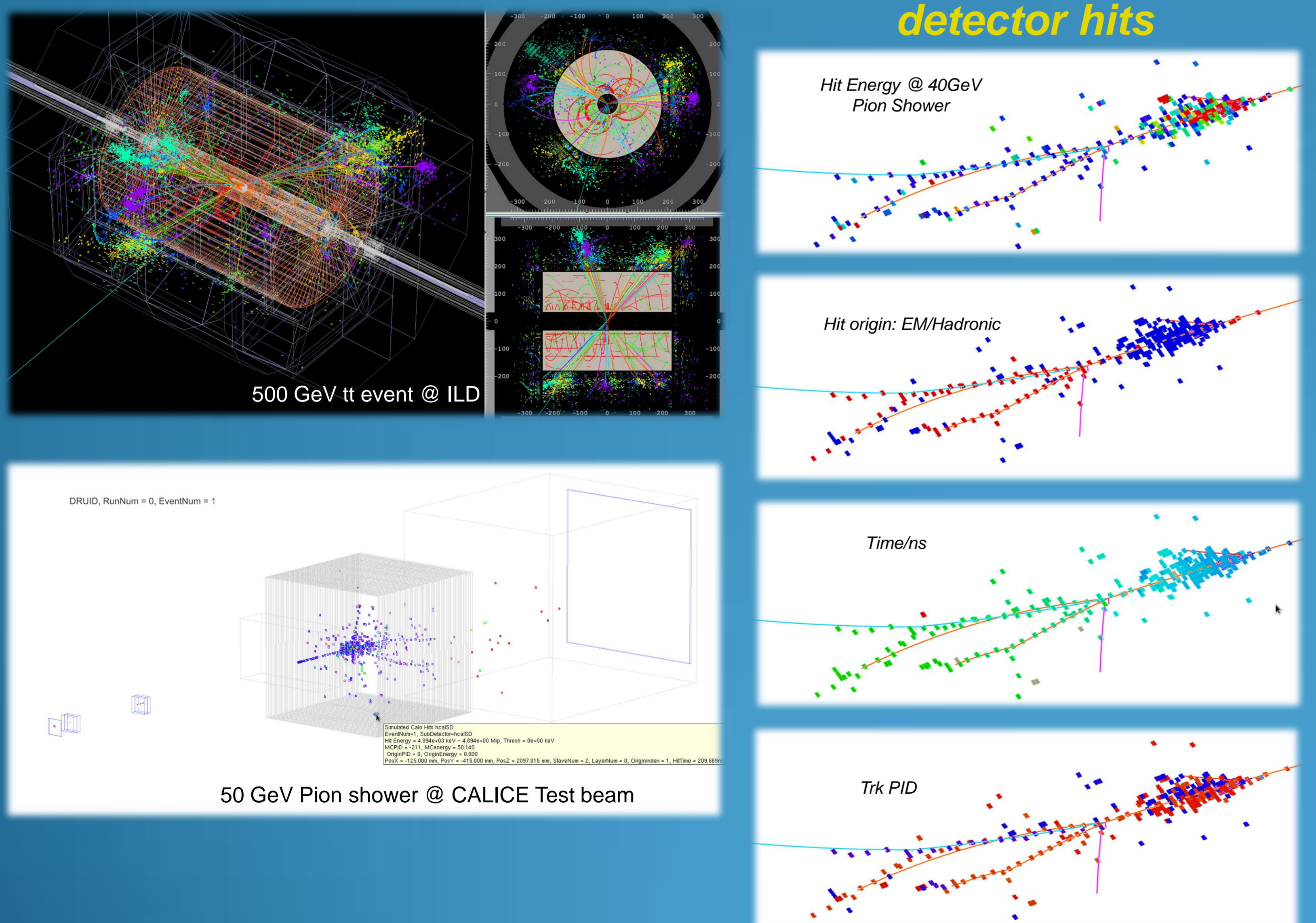


Detector geometry

Support the geometries of all the latest Linear Collider detector concepts and test beam prototypes, with adjustable level of details up to simulation level



Color options for detector hits



Conclusion

Druid is ready, and is being heavily used in data analysis and reconstruction algorithm development...

References

- [1] <http://root.cern.ch>
- [2] <http://lcio.desy.de>
- [3] M. Tadel, PoS ACAT08 103 (2008): Eve - Event Visualization Environment of the root framework
- [4] <http://gdml.web.cern.ch/GDML>