

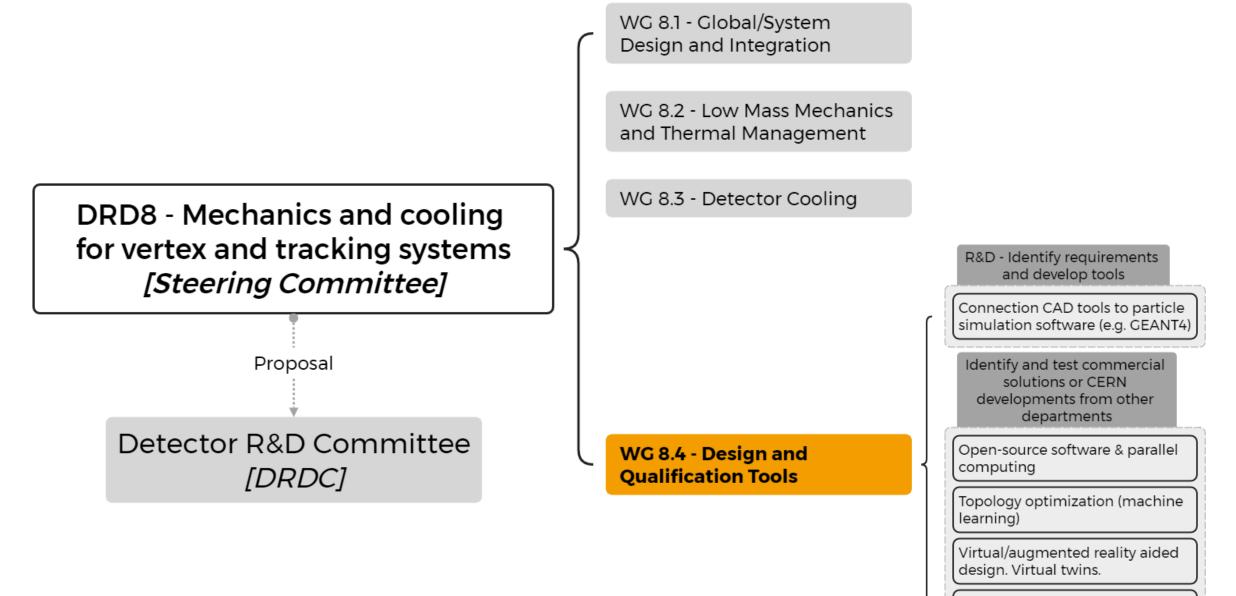
Purdue University, West Lafayette, USA 29-31 May 2024



https://indico.cern.ch/event/1336746/overview

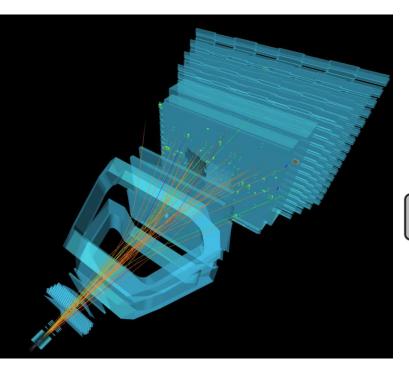
## DRD8 - Mechanics and cooling for vertex and tracking systems

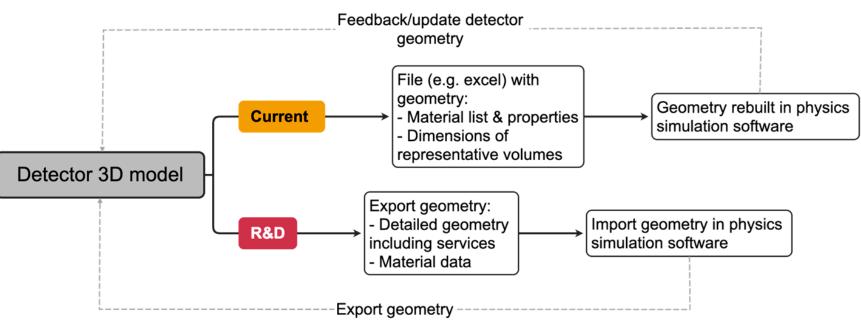
WG 8.4 - Design and Qualification Tools



3D design of complex geometries (services)

## Connection CAD tools to particle simulation software

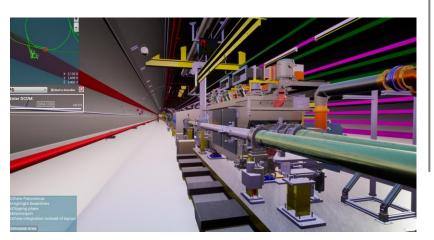




## **Virtual reality**

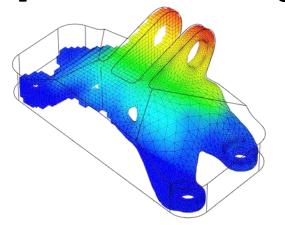


Virtual reality: display of a real event http://cds.cern.ch/record/2745563



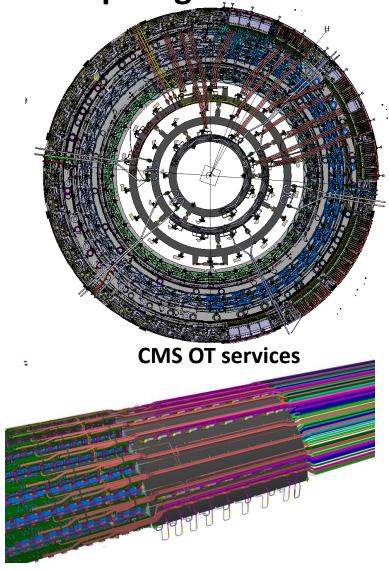
**Digital twins**: SPS CERN https://indico.cern.ch/event/1304817

## Topology optimization [machine learning]





Design of 3D: complex geometries



**ATLAS OB pixel services** 

If you are interested join the e-group: <u>DRD8-WG4@cern.ch</u> and let us know your ideas!