



HSF Detector Simulation Working Group Meeting

<https://hepsoftwarefoundation.org/workinggroups/detsim.html>

Conveners:

John Chapman (ATLAS, University of Cambridge)

Krzysztof Genser (Mu2e, Geant4, Fermilab)

Sandro Wenzel (ALICE, Geant4, CERN)

5th of June 2023

- Today's talk:
 - Geant4 physics models and event generators
 - Speaker: Dennis Wright (ISEC)
 - Dennis is currently a deputy coordinator of [Geant4](#) Hadronic Working group. Although he retired from SLAC in 2020, he still works on elements of Geant4 hadronic models including Bertini, ParticleHP (ParticleHighPrecision), RadioactiveDecay and LEND (Low Energy Nuclear Data)
- Please “raise hand” on zoom to ask questions or make comments; please defer longer comments or questions requiring longer answers till after the end of the talk
- Link to the live notes is posted on indico where questions or comments can be entered as well:
 - <https://indico.cern.ch/event/1276128>

- We are soliciting contributions to the to be scheduled sessions on
 - Extensions to the standard Geant4 Physics models that experiments are using in their detector simulations, but which have not been pushed back to the main Geant4 repository
 - Optimizations of Geant4 cuts as done by the experiments
- Please contact the conveners if you would like to give a talk or provide slides on the above topics
- Other ideas and input regarding future meetings is very welcome, especially for cross-Working Group items
 - Please feel free to contact the conveners to suggest a topic, volunteer a talk or provide feedback
- If you are not a member of the HSF Detector Simulation Google Group/Mailing List and would like to join, please go to:
<https://groups.google.com/g/hsf-simulation>
- The main HSF mailing list link: <https://groups.google.com/g/hsf-forum>
- Also see: <https://hepsoftwarefoundation.org/future-events.html>