

# Single crystal with dd4hep

While CaTS is our choice for the single crystal simulation due to its speed and interface to gpus, it is important also to develop a version in dd4hep to integrate with the main stream future detectors simulation. This eventually will not do ray-tracing, but could instead use a parameterization of the collected light based on the CaTS results.

Sarah Eno is working on this. You can find information at: <https://foswiki.web.cern.ch/Calvision/DualCrystalDD4hep>  
It runs, but parameters need updating and needs benchmarking against Marco/Yihui code.

Next meeting maybe Sarah will give a tour of the code.