

Building and testing GitHub lcgeo with ILCSoft v01-19-02

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Download lcgeo from GitHub
git clone https://github.com/iLCSoft/lcgeo.git
Configure ILCSoft v01-19-02 and compile lcgeo
cd lcgeo
mkdir build
cd build
source /cvmfs/ilc.desy.de/sw/x86_64_gcc49_sl6/v01-19-02/init_ilcsoft.sh
cmake -DCMAKE_CXX_COMPILER=`which g++` -DCMAKE_C_COMPILER=`which gcc` -C $ILCSOFT/ILCSoft.cmake -
DBoost_NO_BOOST_CMAKE=ON ..
make -w -j4 install
Setup lcgeo
cd ..
source bin/thislcgeo.sh
Visualise with
geoDisplay SiD/compact/SiD_o2_v02/SiD_o2_v02.xml
Create single particle slcio file
cd example/
export PYTHONPATH=${LCIO}/src/python:${ROOTSYS}/lib:$PYTHONPATH
python Icio_particle_gun.py
Run simulation with the SiD_o2_v02 model
ddsim --compactFile ./SiD/compact/SiD_o2_v02/SiD_o2_v02.xml --inputFiles mcparticles.slcio -N 100 --outputFile SiD_o2_v02_mcparticles.slcio
Check the output
anajob simple_Icio.slcio
dumpevent simple_Icio.slcio 1
Reco
Marlin testSiDReconstruction_o2_v02.xml
```