**Environmental Setup**

Setup Git: ATLAS Git Workflow tutorial

Twiki page

Follow instructions at:

<https://gitlab.cern.ch/atlas-simulation-fastcalosim/FCSParametrization>

1. Git checkout the repo
2. Run tools/setup.sh from FCSParametrization folder
3. To check versions of submodules run git branch -vv
4. Follow instruction

**Correct Instructions**

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mkdir testRun

cd testRun

**[now setup general atlas envt and git packages]**

setupATLAS

lsetup git

**[clone a copy of athena branch 22.0]**

git clone https://:@gitlab.cern.ch:8443/atlas/athena.git athena --depth 1 --branch 22.0

cd athena

**[add packages to athena clone]**

git atlas addpkg ISF\_FastCaloSim

git atlas addpkg WorkDir

git atlas addpkg CaloGeoHelpers

cd ..

**[clone a copy of FCSParametrization]**

git clone https://:@gitlab.cern.ch:8443/atlas-simulation-fastcalosim/FCSParametrization.git --recursive

setupATLAS

lsetup -q "lcgenv -p lwtnn x86\_64-centos7-gcc11-opt lwtnn 2.11.1"

lsetup "views LCG\_101\_ATLAS\_22 x86\_64-centos7-gcc11-opt"

lsetup "cmake 3.21.3"

**[create a build directory and make the executables]**

mkdir build && cd build

cmake ../FCSParametrization

make

**[add paths of executables to envt]**

cd ..

mkdir run && cd run

source ../build/x86\_64-centos7-gcc11-opt/setup.sh

**[run test executable]**

testCaloGeometry

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**[Directory to be used for writing scripts]**

~/FCS/FCSParametrization/FastCaloSimAnalyzer/macro

**[Example Cxx file to execute]**

#include <iostream>

Int main()

{

std::cout << “Hello!\n”;

return 0;

}

**[Add it to the CMakeLists.txt file; cmake ; buid ; run]**