



# Progress Update on LZ Simulations and Twiki

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# Direct Dark Matter Group Twiki



- Goal to have new page for new group members
  - Explicit instructions for setting up accounts (LZ, MiniCLEAN, Ricochet).
  - ROOT User's Guide and quick linux tutorials. Include more computing resources and contact info.
  - Background readings.
  - Feedback.
- This week:
  - Set up administrator account and editing privileges.
  - Organizing info.



# Old Simulations Finished



- Ran LZ macro on UW cluster using Carl's new macro
  - Jobs ran successfully.
  - Following macro used:  
`lz_xenon_surface_radial_Xe131m_flatQE.mac`
  
- Ran new BACCARAT macro (recommended by Jim) on UW cluster with Carl's new macro
  - `BaccMacro_singleER_monoE_serial.mac`
  - Used with `farmoutBACCARAT.sh`
  - Jobs ran successfully.



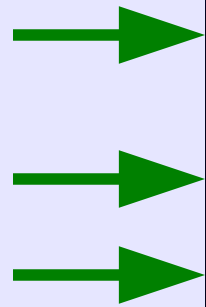
# Changes to use runWiscJobs



- At end of first line: change to “runWiscJobs.py”
- Add the “ --Experiment=yousexperiment \ ” line
- Add “ --HDFSProdDir=outfiles \ “ line
- More detail:  
<https://www.physics.wisc.edu/computing/runWiscJobs>

```
# $1 mac name, $2 tag, $3 number of jobs

python /cvmfs/lz.opensciencegrid.org/sw/bin/runWiscJobs.py \
  --WorkFlow="$1_$2" \
  --nJobs=$3 \
  --Executable="/afs/hep.wisc.edu/user/tuanqui/lzsubmit/lz/farmoutluxsim.sh" \
  --Experiment=lz \
  --TransferInputFile="/afs/hep.wisc.edu/user/tuanqui/lzsubmit/lz/$1" \
  --HDFSProdDir=outfiles \
  --UserEnv="UserName=`whoami`" \
  -o "$1" \
  --Arguments=`basename $1`
```





# Interested



- Inspecting the output
- Geometry visualizer (3D visualisations of the detector used in TDR/review talks etc)
- A discussion w/Jim moving forward
- LZ or BACCARAT documentation updates
- Ask us for help on anything: Carl and I (Skype [catherine.tuanqui1](mailto:catherine.tuanqui1)) or anyone (we can try our best) or email [help@hep.wisc.edu](mailto:help@hep.wisc.edu).