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Subject: Re: help getting started with Mokka in ILCDIRAC  
Posted by [jeans](#) on Thu, 21 Nov 2013 07:58:47 GMT  
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Thanks, Andr  , I've now got it working.

For the reference of others, I'll post the scripts which worked for me:

The python script for ilcdirac (testmokka.py):

Quote:

```
from DIRAC.Core.Base import Script
Script.parseCommandLine()
from ILCDIRAC.Interfaces.API.DiraclLC import DiracLC
dirac = DiracLC(True,"daniel_mokka_job_repository.rep")
from ILCDIRAC.Interfaces.API.NewInterface.UserJob import UserJob
job = UserJob()
job.setName("MokkaDiracTest")
job.setJobGroup("MMTEST")
job.setOutputSandbox(["*.log", "*.slcio", "*.xml", "*.steer"])
job.setCPUTime(50000)
job.setSystemConfig('x86_64-slc5-gcc43-opt')
from ILCDIRAC.Interfaces.API.NewInterface.Applications import Mokka
mo = Mokka()
mo.setVersion("080003")
mo.setOutputFile("test_mokka.slcio")
mo.setDetectorModel("ILD_o1_v05")
mo.setSteeringFile("tttt.steer")
mo.setMacFile("tttt.mac")
res = job.append(mo)
print job.submit(dirac)
```

the steering file tttt.steer:

Quote:

```
/Mokka/init/lcioWriteMode WRITE_NEW
/Mokka/init/lcioStoreCalHitPosition true
/Mokka/init/dbHost pollin1.in2p3.fr
/Mokka/init/user consult
/Mokka/init/dbPasswd consult
```

and the macro file tttt.mac:

Quote:

```
/generator/generator particleGun  
/gun/position 0 0 0 mm  
/gun/energy 5 GeV  
/gun/direction 0 1 0  
/gun/thetaSmearing 360  
/gun/phiSmearing 360  
/gun/particle mu-  
/run/beamOn 30
```

I believe that I had to specify the number of events with the explicit "/run/beamOn 30" command in the Mokka macro. Using `mo.setNbEvts()` method seemed to have no effect.

put all 3 files in the same directory, set up the ILCDIRAC environment (something like "source bashrc"), then run  
> python testmokka.py

looking at the mokka steering file and log file in the output tarball were useful for debugging.

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