

# LZStats

Yitong Liu

# Understanding the structure of LZStats

- **Submit\_MassJobs.sh:**
  - calls for the other two scripts, the one that submits jobs to the cluster
  - Kr mass = 2.0000 & 66.6667
  - #jobs for each mass = 10
- **runWiscJobs.py:**
  - Defines variables and parameters for a job running
- **Submit\_lzstats.sh:**
  - When run Submit\_MassJobs.sh, each job runs this script on the cluster
- **Setup.sh:**
  - set up the environment

# Problem

- For one mass, when extracting 10 tar.gz files, only get one result “...run1”
- Check the error text, ImportError

```
ImportError: /cvmfs/lz.opensciencegrid.org/external/Python/2.7.15/x86_64-centos7-  
-gcc7-opt/lib/python2.7/lib-dynload/array.so: undefined symbol: _PySlice_Unpack  
Info in <RoWorkspace::SaveAs>: ROOT file ./output/lzstats-LZ projected 1e7-WIMP
```

- Ask Jonathan:
  - For the Jobs submitted to the cluster, the python cannot load the yaml package → unable to change the run number → all the runs have the same run number, run1
- The yaml package is exported in setup.sh