

Izgled paketa za analizu i  
puštanje programa u batch-u

# Obavezan izgled paketa

- Svi potrebni paketi za analizu  
(egammaAnalysisUtils, GoodRunsLists,  
RootCore...)
- Naš paket (tt19RR\_sredjen)

# tt19RR\_sredjen

- cmt (Makefile.RootCore)
- Data
- python
- Root (\*.cxx, LinkDef.h)
- Tools (PDFTool\_standalone)
- tt19RR\_sredjen (\*.h)
- util (runttbar.cxx, \*.xml)

# Kompajliranje

- `cd RootCore`
- `source scripts/setup.sh` (cd ..)
- `cd tt19RR_sredjen/Tools/PDFTool_standalone`
- `sh setPdfLD.sh` (cd ../../..)
- `${ROOTCOREDIR}/scripts/clean.sh`
- `${ROOTCOREDIR}/scripts/find_packages.sh`
- `${ROOTCOREDIR}/scripts/compile.sh`

# Posle kompajliranja

- **bin** (runttbar)
- cmt
- Data
- **obj** (dictionaries)
- python
- Root
- **StandAlone** (biblioteke: libtt19RR\_sredjen.so)
- Tools
- tt19RR\_sredjen
- util

# OBAVEZNO

- `./afs/cern.ch/project/gd/LCG-share/current_3.2/etc/profile.d/grid-env.sh`
- `./afs/cern.ch/atlas/offline/external/GRID/ddm/DQ2Clients/setup.sh`
- `voms-proxy-init -voms atlas`

# Puštanje programa u batch-u

- pripremiti database
- `prepare_database_cern.py`

Način korišćenja:

- `chmod u+x`  
`tt19RR_sredjen/prepare_database_cern.py`
- `tt19RR_sredjen/prepare_database_cern.py --tag=p822`

# Šta treba menjati:

- `ifolders = ["/eos/atlas/user/a/adimitri"]`  
`/eos/atlas/atlasscratchdisk/data11_7TeV`
- `if not ('.NTUP_TOPJET.' in dsname): return None`
- `for startstr in ['data11_7TeV']:`  
`mc11_7TeV`

## Šta smo dobili?

`database_cern.py`

koja se nalazi u `tt19RR_sredjen/python/`



# Puštanje programa u batch-u

- `chmod u+x`  
`tt19RR_sredjen/python/launch_batch_jobs.py`
- `./tt19RR_sredjen/python/launch_batch_jobs.py`

Šta smo dobili?

`/batchJobs/`

`script_to_submit_batch_jobs.sh`

# Šta treba menjati?

- `outdir = "/eos/atlas/user/m/mmarjano/ver20"`
- `for sample in ['physics_JetTauEtmiss']:`
- `fbatch.write('source  
/afs/cern.ch/user/m/mmarjano/scratch0/TopR  
ootCore-v00.11/RootCore/scripts/setup.sh  
\n')`

# Submit

- `chmod u+x script_to_submit_batch_jobs.sh`
- `./script_to_submit_batch_jobs.sh`

# Korisne komande

- `bjobs` (za nadgledanje submitovanih jobova)
- `bsub` (za submitovanje joba)
- `busers` (za nadgledanje submitovanih jobova)
- `bkill` (za prekid submitovanog joba)

- [http://information-  
technology.web.cern.ch/services/fe/lxbatch/](http://information-technology.web.cern.ch/services/fe/lxbatch/)