

- user08.MassimilianoBellomo.ganga.213.20090504
  - ★ D3PD J4 dataset (EWPA 3.28) - 135000 events
  - ★ registered in dq2 and locally on gridPV:/data/atlas/SMWZ/D3PD/N8/J4
  
- D3PD for BBmumu AOD still pending on ROME1 node ....

# fqid	status	name	subjobs	application	backend	backend.actualCE
#214.0	submitted	BBmumuD3PDMaker		Athena	LCG	atlas-ce-02.roma1.infn.it:2119/jobmanager-lcg
#214.1	submitted	BBmumuD3PDMaker		Athena	LCG	atlas-ce-02.roma1.infn.it:2119/jobmanager-lcg
#214.2	submitted	BBmumuD3PDMaker		Athena	LCG	atlas-ce-02.roma1.infn.it:2119/jobmanager-lcg
#214.3	submitted	BBmumuD3PDMaker		Athena	LCG	atlas-ce-02.roma1.infn.it:2119/jobmanager-lcg
#214.4	submitted	BBmumuD3PDMaker		Athena	LCG	atlas-ce-02.roma1.infn.it:2119/jobmanager-lcg
#214.5	submitted	BBmumuD3PDMaker		Athena	LCG	atlas-ce-02.roma1.infn.it:2119/jobmanager-lcg
#214.6	submitted	BBmumuD3PDMaker		Athena	LCG	atlas-ce-02.roma1.infn.it:2119/jobmanager-lcg
#214.7	submitted	BBmumuD3PDMaker		Athena	LCG	atlas-ce-02.roma1.infn.it:2119/jobmanager-lcg
#214.8	submitted	BBmumuD3PDMaker		Athena	LCG	atlas-ce-02.roma1.infn.it:2119/jobmanager-lcg

# MC truth classification



- To classify the source of the muons i will use the D.Adams tool that should be integrated with egamma one ...
- PhysicsAnalysis/MuonID/MuonIDValidation - class **GenParticleHelper**

```
const HepMC::GenParticle* pgen = truthParth.genParticle()
GenParticleHelper gh(pgen)
int ancestry = gh.pattern(HepMC::ancestors)
```

"hadron"	"W boson"
"ud hadron"	"Z boson"
"s hadron"	"top"
"c hadron"	"SUSY"
"b hadron"	"Higgs"
"electron"	"W"
"muon"	"Z"
"tau"	

*see GenParticleHelper.h  
for more details*

- Errore

```
T_AthenaPoolCnv          ERROR poolToObject: caught error: St9bad_alloc
T_AthenaPoolCustomCnv    FATAL Failed to convert persistent object to transient: POOL read failed.
Token=[DB=5C511C0
F-D61B-DE11-8FAD-0019B9F406B9][CNT=CollectionTree(EventInfo_p2/McEventInfo)][CLID=22006E19-F0DA-4EFB-
AF55-6FBDA421BF06][TECH=00000202
][OID=00000003-00000000]
AthenaPoolConverter      ERROR createObj PoolToDataObject() failed, token = [DB=5C511C0F-D61B-
DE11-8FAD-0019B9F406B9
][CNT=CollectionTree(EventInfo_p2/McEventInfo)][CLID=22006E19-F0DA-4EFB-AF55-6FBDA421BF06][TECH=00000202]
[OID=00000003-00000000]
DataProxy                WARNING accessData: conversion failed for data object 2101/McEventInfo
Returning NULL DataObject pointer
AthenaEventLoopMgr      ERROR Unable to retrieve Event root object
TileInfoLoader          INFO Handling EndRun incident
NET_ETH_RX_AFTERATHENA=3306872868567
```

- Soluzione

**j.backend.requirements.memory=2048**