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# Praesi's private production

## Overview

### Current athena releases used by me are:

- Generation: 8.0.8
- everything else with 9.0.1

### File name description:

- different parts of the name are separated with a dot ".".
- "\_" is allowed only once and separates the unchanged front part of one series from the numbering end part which by convention always has 5 digits: "\_00001" and ends with ".pool.root".
- The name starts with the process number, e.g. 004020 for ttH(120)-> lnuv jjb bb
- Second is a small process description, e.g. tth120\_bb
- for each transformation (e.g. generation, simulation, ...) a text is added to the filename naming the transformation and the release used:
  - ◆ evgen808 ... generation with 8.0.8
  - ◆ g4default901 ... simulation with 9.0.1 default layout (will be renamed to **final** later)
  - ◆ g4initial901 ... simulation with 9.0.1 initial layout
  - ◆ g4digi901 ... digitization with 9.0.1
  - ◆ ESD901 ... ESD production with 9.0.1
  - ◆ AOD901 ... AOD production with 9.0.1
- a file which went through all the steps from generation to AOD production would look like

```
004020.tth120_bb.evgen808.g4default900.g4digi901.ESD901.AOD901._00023.pool.root
```

### The base directory for all output files is

```
/castor/cern.ch/user/w/wildauer/
```

### Pool file catalogs:

All catalogs are in

```
/afs/cern.ch/user/w/wildauer/atlas/batch/poolcatalogs/
```

and are named accordingly (e.g.):

- PoolFileCatalog\_simul.xml
- PoolFileCatalog\_digi.xml
- PoolFileCatalog\_ESD901.xml
- PoolFileCatalog\_AOD901.xml

## Generation

- Athena release 8.0.8
- production script and LSF job files are in

```
/afs/cern.ch/user/w/wildauer/atlas/batch/evgen/
```

- 10k events of ttH->lhub jbb bb have been produced so far for mh=100, 110, 120 and 130 GeV.
- The files are in:

```
<base>/evgen/data/  
004018.tth100_bb.evgen808._00001.pool.root  
004019.tth110_bb.evgen808._00001.pool.root  
004020.tth120_bb.evgen808._00001.pool.root  
004021.tth130_bb.evgen808._00001.pool.root
```

## Simulation

- In total **1000** events have been simulated with mH = 120 GeV
- Athena release 9.0.x
- production script and LSF job files are in

```
/afs/cern.ch/user/w/wildauer/atlas/batch/simulation/
```

- 500 events of ttH->lhub jbb bb have been produced so far for m\_h=120 GeV, 9.0.\*0\*, final layout and letal<3.4.
- The files are in:

```
<base>/simul/data/G4/004020.tth120_bb.evgen808.g4default900._000XX.pool.root
```

where XX is 01 to 50. Every file contains 10 events.

- 500 events of ttH->lhub jbb bb have been produced so far for m\_h=120 GeV, 9.0.\*1\*, final layout and letal<3.4.
- The files are in:

```
<base>/simul/data/G4/004020.tth120_bb.evgen808.g4default901._000XX.pool.root
```

where XX is 51 to 100. Every file contains 10 events.

## Digitization

- Athena release 9.0.x
- production script and LSF job files are in

```
/afs/cern.ch/user/w/wildauer/atlas/batch/digitization/
```

- 1000 events of ttH->lhub jbb bb have been produced so far for m\_h=120 GeV, muons off.
- The files are in:

```
<base>/digi/G4/data/004020.tth120_bb.evgen808.g4default90Y.g4digi901._0000X.pool.root
```

where Y is 0 for the X = 1 to 5 (simulated with 9.0.0)

and

Y = 1 for X = 6 to 10 (simulated with 9.0.1).

Every file contains 100 events.

See also DigiTization.

## ESD and AOD production

- Athena release 9.0.x
- production script and LSF job files are in

```
/afs/cern.ch/user/w/wildauer/atlas/batch/ESDproduction/  
/afs/cern.ch/user/w/wildauer/atlas/batch/AODproduction/
```

**ESD and AOD production are running but have some troubles. No final files have been produced. See also EsdProduction and AodProduction.**

- Some files are in:

```
<base>/ESD/data  
<base>/AOD/data
```

-- DerSchrecklicheSven - 17 Nov 2004

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This topic: [Main > FileDirectory](#)

Topic revision: r2 - 2004-11-24 - [AndreasWildauer](#)



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