

The directory MasterClass2011 contains the following

1. Macros and data files needed for the visual analysis

on the top directory (where you have placed and unzipped the zipped directory)
you have to type

```
root masterclass.C
```

the data files for the visual analysis are :

the first 6 : pp events (7 TeV) with 30 V0s each
the 7th : small sample of 4 PbPb events

2. Macros and data for the statistical analysis of larger samples

go down one directory : `cd MasterClass_extended`
in this directory type

```
root masterclassExtended.C
```

there are 8 data files in total : 7 from pp and 1 from lead-lead

7 data files with pp events (7 TeV)

Numbers: 1, 2, 4, 5, 6, 7 with ~ 2000 events each and number 3 with 4000 events.

**NOTE : data file number 8 contains 1562 lead-lead events
obviously it has to be analyzed separately !!!!**

concerning the directories for the histogram files :
The macro is setup in such a way that the results will be saved
in the directory (below the default directory)

Teacher/lq_analysis/ and then you can choose subdirectories K0s, Lambda etc..

In "Teacher" mode, when you need to get the files, you have to specify before starting the root sessions

```
export ALICE_MASTERCLASS_DIR=/Users/DH/MasterClass2011/MasterClass_extended
```

(where "/Users/DH/" (mine, obviously) has to be substituted by the directory where MasterClass2011 has been saved).

If you can not easily put together all result files (histograms) on the same directory in order to add them,
you can use instead existing histogram files

--> To get these histogram files (from the analysis of 7 samples) you need to define the directory where they are stored:

```
export ALICE_MASTERCLASS_DIR=/Users/DH/MasterClass2011/MasterClass_extended/ResMasterClass
```

(where "/Users/DH/" (mine, obviously) has to be substituted by the directory where MasterClass2011 has been saved).

**NOTE : root version 28 has been used to create the event samples;
you need to have root version greater or equal to 28 (I am using version 30 on MacOSX)**