

# Naming conventions for trending variables and QA WEB directory

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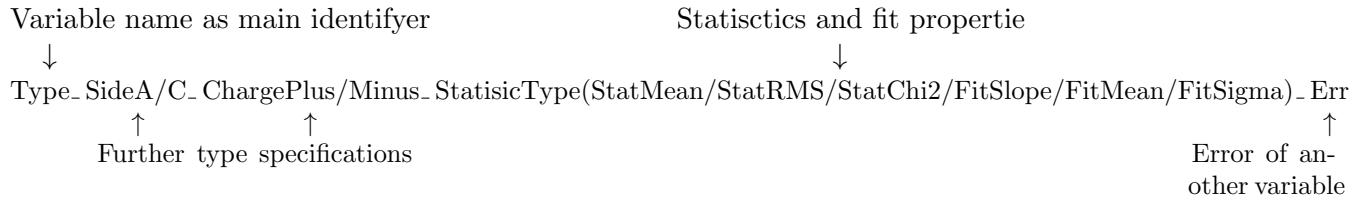
May 14, 2013

This file explains the definition of the naming convention for trending variables and the QA WEB directory. You can also find a presentation explaining the naming conventions for the trending variables here: <https://indico.cern.ch/getFile.py/access?contribId=4&resId=0&materialId=slides&confId=171449>. As well as a presentation explaining the naming conventions for the QA WEB directory here: <https://indico.cern.ch/getFile.py/access?contribId=3&resId=0&materialId=slides&confId=235865>.

## 1 Trending variables

### 1.1 General

- Separate ‘properties’ by a ‘\_’ :



- Further description:

Type: Variable name as main identifier

SideA/C and ChargePlus/Monus: Further type specifications → Side and particle type

StatisticType: Statistics and fit properties

Err: Indicates that this is an error of another variable with the same name

- IROC vs OROC: Differentiate variables which are different for IROC’s and OROC’s by: \_IROC\_ or \_OROC\_

### 1.2 Special variables

To avoid confusions between similar short cuts for variables please respect the following capital and small letters!!!

- velocity vs voltage

v = velocity (small)

V = voltage (capital)

- time vs temperature

t = time (small)

T = temperature (capital)

- momentum vs pressure

p = momentum (small)

P = pressure (capital)

### 1.3 Statistic vs Gauß fit variables

Please use the prefix 'Stat' or 'Fit' to differentiate between statistic and Gauß fit variables:

StatMean — FitMean  
StatRMS — FitSigma

### 1.4 Examples

The following examples should illustrate the naming convention and help you to implement it.

#### 1.4.1 QA tree

Old	New
meanTPCnclF	TPCnclF_ StatMean
slopeATPCnclF	TPCnclF_ SideA_ FitSlope
SlopeATPCnclFErr	TPCnclF_ SideA_ FitSlope_ Err
SlopedZAErrPos	dZ_ SideA_ ChargePlus_ FitSlope_ Err

#### 1.4.2 OCDB tree

Old	New
VIROC	V_ IROC
medianVIROC	V_ IROC_ StatMedian
rocGainIROC	rocGain_ IROC
rocGAinERRIROC	rocGain_ IROC_ Err

## 2 QA WEB directory

The generic path, where everything goes, has to follow this convention:

PATH=\$prefix/\$datatype/\$year/\$period/\$recopass/\$suffix

- with prefix according to the website of the respective institute and detector

- e.g. at GSI:

Official: prefix = <http://www-alice.gsi.de/TPC/PWG1train>

Development: prefix = <http://web-docs.gsi.de/~username/TPC/PWG1train>

- datatype: datatype = data or datatype = sim (nothing like data\_year anymore!)

- suffix: StandardQA or ExpertQA or CalibrationQA or ExpertCalibrationQA

Also to be used by all detectors which will merge trending trees with the TPC

- rootfiles with the trees should have a static name, e.g. trending.root, TRDtree.root, ...