

# Table of Contents

<b>Detector Description XML to HTML tool example and how to guide.....</b>	<b>1</b>
Introduction.....	1
Tutorials.....	1
Links.....	2
Review status.....	2

# Detector Description XML to HTML tool example and how to guide

Complete: ██████

A description and example of how to convert a CMSSW geometry configuration into simple static web pages.

## Introduction

This tool provides an easy way to look at the components of a geometry, such as the LogicalParts selected by a SpecPar.

## Tutorials

Set up your work area, check out the package and run as follows:

```
scram p CMSSW YOUR_VERSION
cd YOUR_VERSION/src
cmsenv
addpkg DetectorDescription/RegressionTest
cd DetectorDescription/RegressionTest/test
scram b
setenv PATH $CMSSW_BASE/test/yourslcgccconfig:${PATH}
rehash
mkdir dddhtml
cd dddhtml
html_ddd ../configuration.xml
```

For example:

```
scram p CMSSW CMSSW_3_9_0_pre3
cd CMSSW_3_9_0_pre3/src
cmsenv
addpkg DetectorDescription/RegressionTest
cd DetectorDescription/RegressionTest/test
scram b
setenv PATH $CMSSW_BASE/test/slc5_ia32_gcc434/:${PATH}
rehash
mkdir dddhtml
cd dddhtml
html_ddd ../configuration.xml
```

Now, if you want to use a configuration.xml file of your own, generated by one of the other available scripts, you can do something like this in the same work area:


```
cd ../../../../..
addpkg DetectorDescription/Schema
addpkg Geometry/CMSCommonData
scram b
$CMSSW_RELEASE_BASE/src/GeometryReaders/XMLIdealGeometryESSource/test/testdddreport.sh cmsExtended
```

You may use any \*XML\_cfi.py file found here: [Geometry/CMSCommonData/python/](#). You will have the following in your src area:

```
dddreportconfig.xml
```

and you can now do:

```
cd DetectorDescription/RegressionTest/test/dddhtml
rm -rf *
cp ../../../../dddreportconfig.xml .
html_ddd dddreportconfig.xml
```

You may then open the index.html in dddhtml directory using your web-browser or move the whole thing up to a web-site, for example: <http://case.web.cern.ch/case/GeometryExtended380/index.html> 

## Links.

- **Subgroup home page:** [SWGuideDetectorDescription](#)

## Review status

Reviewer/Editor and Date	Comments
MichaelCase - 29-Jul-2010	created page

Responsible: CMS.MichaelCase

Last reviewed by: No one

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