

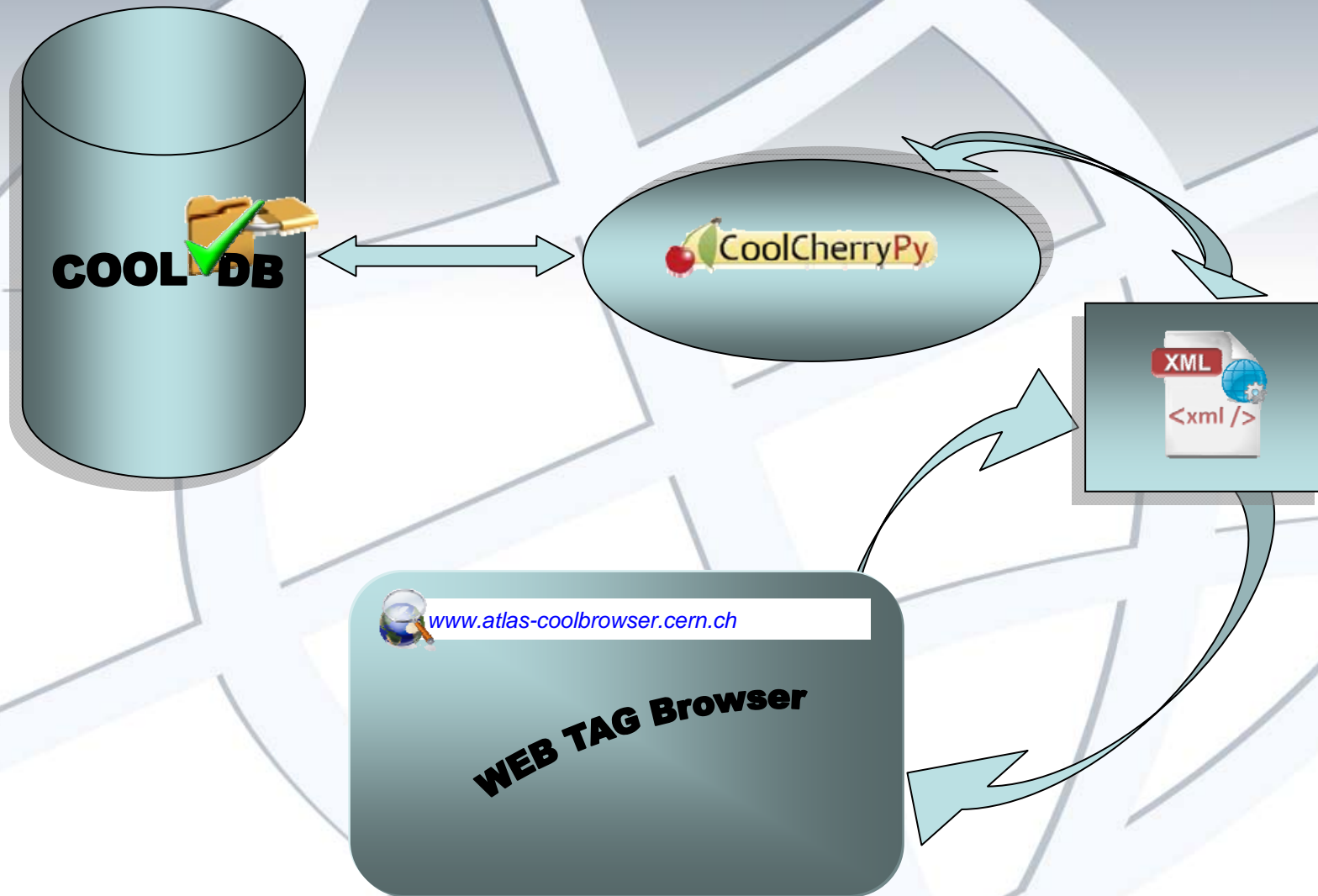


Vladimir Shekriladze 26 october 2010
Georgian CAD/CAM Engineering Center -GCCEC



COOL TAG BROWSER

DATA BASE



Atlas Cool DB

- <https://twiki.cern.ch/twiki/bin/view/Atlas/CoolATLAS>

The COOL is database , cool have an associated start and end time between which they are valid. COOL data is stored in folders, which are themselves arranged in a hierarchical structure of foldersets. COOL is optimized to store and retrieve object(s) associated to a particular time.

- **CoolCherryPy** ([Shaun Roe](#))

<https://twiki.cern.ch/twiki/bin/view/Atlas/CoolCherryPy>

Cool CherryPy is a web service for accessing the Cool db. It can retrieve and insert data, using xml as the format. It is directly accessible only on the CERN GPN network.



http://voatlas11.cern.ch:8080/cooldb/ATLAS_COOLPROD/



JavaScript
(Ajax)



COOL TAG BROWSER

Local URL (xml)

URL

SERVER

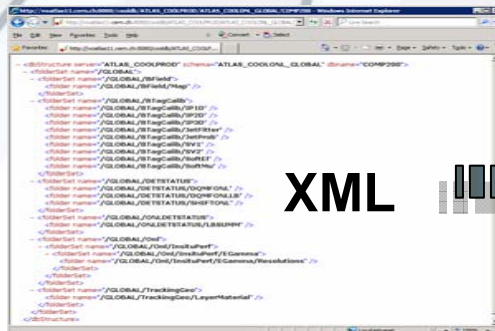
Schema

DB Name

http://voatlas11.cern.ch:8080/cooldb/ATLAS_COOLPROD/ATLAS_COOLONL_GLOBAL/COMP200/

www.atlas-coolbrowser.web.cern.ch

JAVA SCRIPT/AJAX



XML

```
gFolderDescription.prototype.gDescription = function(node){
  if(node == null)
    return;
  var name = node.nodeName;
  var nodes = node.childNodes;

  if(name == 'folderDescription'){
    this.version = node.getAttribute('version');
  }else if(name == 'timeStamp'){
    this.timeStamp = node.childNodes[0].nodeValue;
  }else if(name == 'address_header'){
    this.serviceType = node.getAttribute('service_type');
    this.clid = node.getAttribute('clid');
  }else if(name == 'typeName'){
    this.typeName = node.childNodes[0].nodeValue;
  }

  for(var i = 0; i < nodes.length; i++)
    this.gDescription(nodes[i]);
}
/*-----*/
```

COOL TAG BROWSER

WEB Browser

The screenshot shows a web browser window titled "COOL DB" with the URL <https://atlas-coolbrowser.web.cern.ch/atlas-coolbrowser/TEMP/start.html#>. The interface is divided into three main sections: "SCHEMA / DB", "TAG", and "DETAILS".

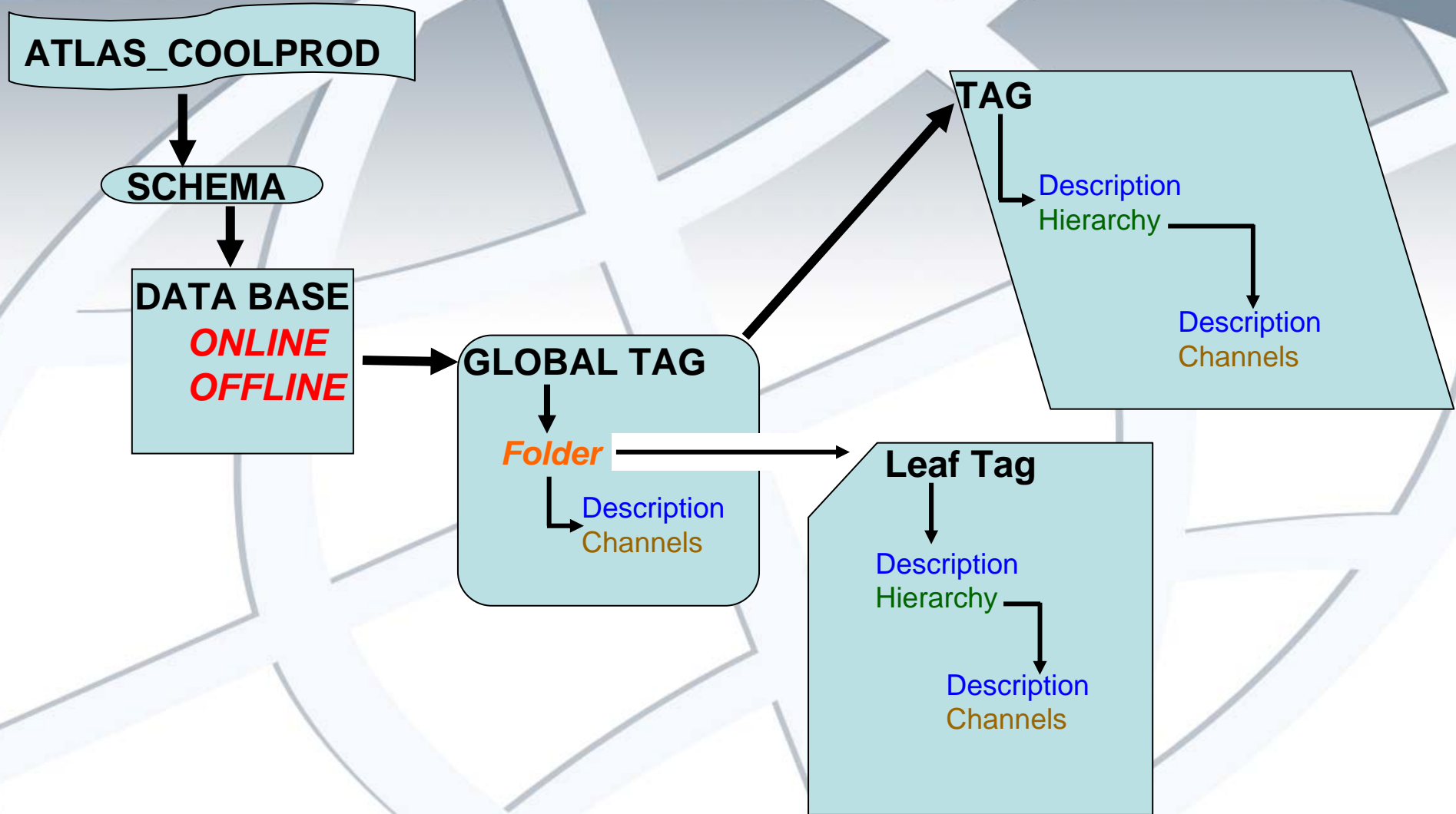
SCHEMA / DB: A tree view showing the database structure. The "COMP200" schema is expanded, showing sub-schemas like "/CSC", "/CSC/FTHOLD", "/CSC/GAIN", "/CSC/NOISE", "/CSC/PEAKT", "/CSC/PED", "/CSC/PSLOPE", "/CSC/RMS", "/CSC/RSLOPE", "/CSC/SAT1", "/CSC/SAT2", "/CSC/STAT", "/CSC/THOLD", and "/CSC/WIDTH".

TAG: A list of tags with columns for tag name, status (lock icon), and a checkbox. The tags listed are:

TAG	Status	Checkbox
COMCOND-001-00	Locked	<input type="checkbox"/>
COMCOND-002-00	Locked	<input type="checkbox"/>
COMCOND-003-00	Locked	<input type="checkbox"/>
COMCOND-004-00	Locked	<input type="checkbox"/>
COMCOND-004-01	Locked	<input type="checkbox"/>
COMCOND-005-00	Locked	<input type="checkbox"/>
COMCOND-005-01	Locked	<input type="checkbox"/>
COMCOND-005-02	Locked	<input type="checkbox"/>
COMCOND-006-00	Locked	<input type="checkbox"/>
COMCOND-006-01	Locked	<input type="checkbox"/>
COMCOND-BLKP-002-00	Locked	<input type="checkbox"/>
COMCOND-BLKP-003-00	Locked	<input type="checkbox"/>
COMCOND-BLKP-004-00	Locked	<input type="checkbox"/>
COMCOND-BLKP-004-01	Locked	<input type="checkbox"/>
COMCOND-BLKPS-002-00	Locked	<input type="checkbox"/>
COMCOND-BLKPS-003-00	Locked	<input type="checkbox"/>
COMCOND-BLKPS-004-00	Locked	<input type="checkbox"/>
COMCOND-BLKPS-004-01	Locked	<input type="checkbox"/>
COMCOND-BLKPS-002-00	Locked	<input type="checkbox"/>
COMCOND-BLKPS-003-00	Locked	<input type="checkbox"/>
COMCOND-BLKPS-004-00	Locked	<input type="checkbox"/>
COMCOND-BLKPS-004-01	Locked	<input type="checkbox"/>

DETAILS: A "Hierarchy" view showing the selected tag's structure. The selected tag is "/CSC/FTHOLD/CscFthold-pedPlusNoise-001-05". The hierarchy is:

- /COMCOND-001-00
 - /CSC/Csc-temp-000-00
 - /CSC/FTHOLD/CscFthold-pedPlusNoise-001-05
 - /CSC/GAIN/CscGain-temp-000-01
 - /CSC/NOISE/CscNoise-temp-000-01
 - /CSC/PEAKT/CscPeak-temp-000-01
 - /CSC/PED/CscPed-temp-000-01
 - /CSC/PSLOPE/CscPslope-temp-000-01
 - /CSC/RMS/CscRms-noiseCopy-000-04
 - /CSC/SAT1/CscSat1-temp-000-01
 - /CSC/SAT2/CscSat2-temp-000-01
 - /CSC/STAT/CscStat-temp-000-02
 - /CSC/THOLD/CscThold-temp-000-00
 - /CSC/WIDTH/CscWidth-temp-000-01



ATLAS_COOLPROD ATLAS_COOLOFL_CSC COMP200

SCHEMA / DB	TAG	DETAILS																																																																																	
OFFLINE																																																																																			
<ul style="list-style-type: none"> ⊕ CALO ⊕ CSC <ul style="list-style-type: none"> COMP200 <ul style="list-style-type: none"> /CSC /CSC/FTHOLD /CSC/GAIN /CSC/NOISE /CSC/PEAKT /CSC/PED /CSC/PSLOPE /CSC/RMS /CSC/RSLOPE /CSC/SAT1 /CSC/SAT2 /CSC/STAT /CSC/THOLD /CSC/WIDTH ⊕ OFLP200 ⊕ DCS ⊕ GLOBAL ⊕ INDET ⊕ LAR ⊕ MDT ⊕ MUONALIGN ⊕ PIXEL ⊕ RPC ⊕ SCT ⊕ TGC ⊕ TH F 	<table border="1"> <thead> <tr> <th>TAG</th> <th>LOCK</th> <th>STATUS</th> </tr> </thead> <tbody> <tr><td>COMCOND-001-00</td><td>🔒</td><td>☐</td></tr> <tr><td>Initial M5 data processing</td><td></td><td></td></tr> <tr><td>COMCOND-002-00</td><td>🔒</td><td>☐</td></tr> <tr><td>M5 data reprocessing</td><td></td><td></td></tr> <tr><td>COMCOND-003-00</td><td>🔒</td><td>☐</td></tr> <tr><td>Initial M6 data processing</td><td></td><td></td></tr> <tr><td>COMCOND-004-00</td><td>🔒</td><td>☐</td></tr> <tr><td>Reprocessing of M6 data</td><td></td><td></td></tr> <tr><td>COMCOND-004-01</td><td>🔒</td><td>☐</td></tr> <tr><td>Reprocessing M6 and caloweeek data</td><td></td><td></td></tr> <tr><td>COMCOND-005-00</td><td>🔒</td><td>☐</td></tr> <tr><td>preparation for M7</td><td></td><td></td></tr> <tr><td>COMCOND-005-01</td><td>🔒</td><td>☐</td></tr> <tr><td>M7 continued</td><td></td><td></td></tr> <tr><td>COMCOND-005-02</td><td>🔒</td><td>☐</td></tr> <tr><td>M7 continued</td><td></td><td></td></tr> <tr><td>COMCOND-006-00</td><td>🔒</td><td>☐</td></tr> <tr><td>Preparation for M8</td><td></td><td></td></tr> <tr><td>COMCOND-006-01</td><td>🔒</td><td>☐</td></tr> <tr><td>M8 reprocessing and ongoing</td><td></td><td></td></tr> <tr><td>COMCOND-BLKP-002-00</td><td>🔒</td><td>☐</td></tr> <tr><td>2010 Physics running, Bulk reconstruction, field off</td><td></td><td></td></tr> <tr><td>COMCOND-BLKP-003-00</td><td>🔒</td><td>☐</td></tr> <tr><td>2010 Physics running, bulk reconstruction, fields off, updated ID alignment</td><td></td><td></td></tr> <tr><td>COMCOND-BLKP-004-00</td><td>🔒</td><td>☐</td></tr> <tr><td>2010 Physics running, Bulk reconstruction, fields off, LAR and SCT updates</td><td></td><td></td></tr> </tbody> </table>	TAG	LOCK	STATUS	COMCOND-001-00	🔒	☐	Initial M5 data processing			COMCOND-002-00	🔒	☐	M5 data reprocessing			COMCOND-003-00	🔒	☐	Initial M6 data processing			COMCOND-004-00	🔒	☐	Reprocessing of M6 data			COMCOND-004-01	🔒	☐	Reprocessing M6 and caloweeek data			COMCOND-005-00	🔒	☐	preparation for M7			COMCOND-005-01	🔒	☐	M7 continued			COMCOND-005-02	🔒	☐	M7 continued			COMCOND-006-00	🔒	☐	Preparation for M8			COMCOND-006-01	🔒	☐	M8 reprocessing and ongoing			COMCOND-BLKP-002-00	🔒	☐	2010 Physics running, Bulk reconstruction, field off			COMCOND-BLKP-003-00	🔒	☐	2010 Physics running, bulk reconstruction, fields off, updated ID alignment			COMCOND-BLKP-004-00	🔒	☐	2010 Physics running, Bulk reconstruction, fields off, LAR and SCT updates			<p>Hierarchy:</p> <ul style="list-style-type: none"> 🔒 /COMCOND-001-00 🔒 /CSC/Csc-temp-000-00 🔒 /CSC/FTHOLD/CscFthold-pedPlusNoise-001-05 🔒 /CSC/GAIN/CscGain-temp-000-01 🔒 /CSC/NOISE/CscNoise-temp-000-01 🔒 /CSC/PEAKT/CscPeakt-temp-000-01 🔒 /CSC/PED/CscPed-temp-000-01 🔒 /CSC/PSLOPE/CscPslope-temp-000-01 🔒 /CSC/RMS/CscRms-noiseCopy-000-04 🔒 /CSC/SAT1/CscSat1-temp-000-01 🔒 /CSC/SAT2/CscSat2-temp-000-01 🔒 /CSC/STAT/CscStat-temp-000-02 🔒 /CSC/THOLD/CscThold-temp-000-00 🔒 /CSC/WIDTH/CscWidth-temp-000-01
TAG	LOCK	STATUS																																																																																	
COMCOND-001-00	🔒	☐																																																																																	
Initial M5 data processing																																																																																			
COMCOND-002-00	🔒	☐																																																																																	
M5 data reprocessing																																																																																			
COMCOND-003-00	🔒	☐																																																																																	
Initial M6 data processing																																																																																			
COMCOND-004-00	🔒	☐																																																																																	
Reprocessing of M6 data																																																																																			
COMCOND-004-01	🔒	☐																																																																																	
Reprocessing M6 and caloweeek data																																																																																			
COMCOND-005-00	🔒	☐																																																																																	
preparation for M7																																																																																			
COMCOND-005-01	🔒	☐																																																																																	
M7 continued																																																																																			
COMCOND-005-02	🔒	☐																																																																																	
M7 continued																																																																																			
COMCOND-006-00	🔒	☐																																																																																	
Preparation for M8																																																																																			
COMCOND-006-01	🔒	☐																																																																																	
M8 reprocessing and ongoing																																																																																			
COMCOND-BLKP-002-00	🔒	☐																																																																																	
2010 Physics running, Bulk reconstruction, field off																																																																																			
COMCOND-BLKP-003-00	🔒	☐																																																																																	
2010 Physics running, bulk reconstruction, fields off, updated ID alignment																																																																																			
COMCOND-BLKP-004-00	🔒	☐																																																																																	
2010 Physics running, Bulk reconstruction, fields off, LAR and SCT updates																																																																																			

COOL TAG BROWSER

Filter

TAG		
005		<input type="checkbox"/> Show/Hide
COMCOND-005-00		<input type="checkbox"/>
COMCOND-005-01		<input type="checkbox"/>
COMCOND-005-02		<input type="checkbox"/>
COMCOND-REPC-005-00		<input type="checkbox"/>
COMCOND-REPP-005-00		<input type="checkbox"/>
COMCOND-REPP-005-01		<input type="checkbox"/>
COMCOND-REPPS-005-00		<input type="checkbox"/>
COMCOND-REPPS-005-01		<input type="checkbox"/>
COMCOND-REPPST-005-00		<input type="checkbox"/>
COMCOND-REPPST-005-01		<input type="checkbox"/>
COMCOND-REPPT-005-00		<input type="checkbox"/>
COMCOND-REPPT-005-01		<input type="checkbox"/>

TAG		
005		<input checked="" type="checkbox"/> Show/Hide
COMCOND-005-00		
preparation for M7		
COMCOND-005-01		<input type="checkbox"/>
M7 continued		
COMCOND-005-02		<input type="checkbox"/>
M7 continued		
COMCOND-REPC-005-00		<input type="checkbox"/>
Autumn 2009 cosmics reprocessing		
COMCOND-REPP-005-00		<input type="checkbox"/>
Spring 2010 fast reprocessing, fields off		
COMCOND-REPP-005-01		<input type="checkbox"/>
Spring 2010 fast reprocessing, fields off, TILE bugfix		
COMCOND-REPPS-005-00		<input type="checkbox"/>
Spring 2010 fast reprocessing, solenoid on		
COMCOND-REPPS-005-01		<input type="checkbox"/>
Spring 2010 fast reprocessing, solenoid on, TILE bugfix		
COMCOND-REPPST-005-00		<input type="checkbox"/>
Spring 2010 fast reprocessing, fields on		
COMCOND-REPPST-005-01		<input type="checkbox"/>
Spring 2010 fast reprocessing, fields on, TILE bugfix		
COMCOND-REPPT-005-00		<input type="checkbox"/>
Spring 2010 fast reprocessing, toroid on		
COMCOND-REPPT-005-01		<input type="checkbox"/>
Spring 2010 fast reprocessing, toroid on, TILE bugfix		

Show/Hide Description

TAG		
+ COMCOND-001-00		<input type="checkbox"/>
+ COMCOND-002-00		<input type="checkbox"/>
+ COMCOND-003-00		<input type="checkbox"/>
+ COMCOND-004-00		<input checked="" type="checkbox"/>
+ COMCOND-004-01		<input checked="" type="checkbox"/>

Tag Compare Result:

(Tag I) COMCOND-REPPST-007-03	(Tag II) COMCOND-REPPST-007-04
/COMCOND-REPPST-007-03	/COMCOND-REPPST-007-04
/Indet/Indet-collisions-17	/Indet/Indet-collisions-16
/Indet/Align/InDetAlign_Collision_7T_L3_2010_04	/Indet/Align/InDetAlign_Collision_7T_L3_2010_04
/Indet/Beampos/IndetBeampos-ES1-UPD2	/Indet/Beampos/IndetBeampos_cosmic_loose
/Indet/PixelDist/InDetPixelDist-nominal	/Indet/PixelDist/InDetPixelDist-nominal
/Indet/TrkErrorScaling/TrkErrorScaling_7T_2010_01	/Indet/TrkErrorScaling/TrkErrorScaling_7T_2010_01

Channels

File Edit View History Bookmarks Window Help

https://atlas-coolbrowser.web.cern.ch/atlas-coolbrowser/TEMP/channels.php?schema=ATLAS_COC

Apple Yahoo! Google Maps YouTube Wikipedia News (101) Popular

TAG Channels:

Tinespan: now
Schema: ATLAS_COOLOFL_INDET
Database: COMP200
Folder: Indet/Align
Since: 1285916539000000000
Until: 1285916539000000000

CHANNEL:	<input type="text"/>
SELECT TYPE:	Date
IOV_START:	2025 12 31 23 59
IOV_END:	2025 12 31 23 59
<input type="button" value="Submit"/>	

Channel: 0

Insertion: Mon, 15 Jun 2009 09:52:09 GMT

PoolRef: [DB=8E91164C-1E3C-DB11-8CAB-00132046AB63][CNT=POOLContainer_AlignableTransform][CLID=E779C6B5-3F2A-473E-B35E-6CCB345E0665][TECH=00000202][OID=00000003-00000000]

Channel: 100

Insertion: Mon, 15 Jun 2009 09:52:09 GMT

PoolRef: [DB=8E91164C-1E3C-DB11-8CAB-00132046AB63][CNT=POOLContainer_AlignableTransform][CLID=E779C6B5-3F2A-473E-B35E-6CCB345E0665][TECH=00000202][OID=00000003-00000001]

Channel: 101

Insertion: Mon, 15 Jun 2009 09:52:09 GMT

PoolRef: [DB=8E91164C-1E3C-DB11-8CAB-00132046AB63][CNT=POOLContainer_AlignableTransform][CLID=E779C6B5-3F2A-473E-B35E-6CCB345E0665][TECH=00000202][OID=00000003-0000000B]

Channel: 200

Insertion: Mon, 15 Jun 2009 09:52:09 GMT

PoolRef: [DB=8E91164C-1E3C-DB11-8CAB-00132046AB63][CNT=POOLContainer_AlignableTransform][CLID=E779C6B5-3F2A-473E-B35E-6CCB345E0665][TECH=00000202][OID=00000003-00000002]

Channel: 201

Insertion: Mon, 15 Jun 2009 09:52:09 GMT

PoolRef: [DB=8E91164C-1E3C-DB11-8CAB-00132046AB63][CNT=POOLContainer_AlignableTransform][CLID=E779C6B5-3F2A-473E-B35E-6CCB345E0665][TECH=00000202][OID=00000003-00000000]

1

CHANNEL:	<input type="text"/>
SELECT TYPE:	Date
IOV_START:	2010 12 28 20 59
IOV_END:	2010 12 31 23 59
<input type="button" value="Submit"/>	

Channel ID

Find by date

2

CHANNEL:	<input type="text"/>
SELECT TYPE:	Run_Lumi
Number:	1238547719
<input type="button" value="Submit"/>	

Find by Run/Lumi Number

3

CHANNEL:	<input type="text"/>
SELECT TYPE:	Nanoseconds
IOV_START:	1286871314000000000
IOV_END:	1286871714000000000
<input type="button" value="Submit"/>	

Find by Nanoseconds

Search. Search any information on web tag, global tag ,
Description , hierarchy etc.

Diff Command. , i.e. compare the contents of two top-level tags in the same
database instance, to see in what respects they differ.

WEB Interface: To create simple web interface for users, manipulation some command

