

# Searches for data using AMI *October 2010*

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# Exercise 1 - Overview

- Bookmark the AMI portal page

<https://ami.in2p3.fr>

(CERN replica = <http://atlas-ami.cern.ch> )

- Go to the Dataset Overview
  - Using the drop down box of project names choose [data10\\_10TeV](#)
  - And then browse the datasets
- Use the "groupBy" icon at the top of the "dataType" column then choose the RAW type
- How many events went to the physics\_L1Calo stream of run 152713? You can use the runQuery link to check the overlap of streams.

data10\_001\_real\_data

History Result: dataset \* Result: dataset

Full Screen

Command Home Login

dataset 1 - 15 / 17

modified - created dataset.runNumber ASC

Aide Options Column

Query : (amiStatus='VALID' and logicalDatasetName like 'data10\_10TeV.%') AND dataset.dataType='RAW'

additional Fields +	LogicalDatasetName ▲	nfiles ▲	totalEvents ▲	dataType ▲	runNumber ▲	period ▲
details	data10_10TeV.00152713.physics_CosmicCaloEM.merge.RAW DQ2 - GANGA export - Provenance	4	298	RAW	152713 Run_Summary - Run_Query	config
details	data10_10TeV.00152713.calibration_lucid.daq.RAW DQ2 - GANGA export - Provenance	1	40	RAW	152713 Run_Summary - Run_Query	DQ2_Config
details	data10_10TeV.00152713.calibration_Tile.daq.RAW DQ2 - GANGA export - Provenance	5	482	RAW	152713 Run_Summary - Run_Query	DAQ_Config
details	data10_10TeV.00152713.physics_RNDM.merge.RAW DQ2 - GANGA export - Provenance	4	2324	RAW	152713 Run_Summary - Run_Query	DAQ_Config
details	data10_10TeV.00152713.physics_L1Calo.merge.RAW DQ2 - GANGA export - Provenance	4	1150	RAW	152713 Run_Summary - Run_Query	DAQ_Config
details	data10_10TeV.00152713.physics_MinBias.merge.RAW DQ2 - GANGA export - Provenance	4	1206	RAW	152713 Run_Summary - Run_Query	DAQ_Config
	data10_10TeV.00152713.express_express.merge.RAW				152713	

Order results

To runQuery

Events in dataset

## Exercise 2 - The “Simple” search

- Simple Search – searches on part of the name.
  - Example “L1Calo “
  - Note that “%” is used for wild carding.
- Note that results can be from more than one catalogue
- Tutorial [link](http://ami.in2p3.fr:8080/opencms/opencms/AMI/www/Tutorial/Simple_search_interface.html):  
[http://ami.in2p3.fr:8080/opencms/opencms/AMI/  
www/Tutorial/Simple\\_search\\_interface.html](http://ami.in2p3.fr:8080/opencms/opencms/AMI/www/Tutorial/Simple_search_interface.html)

# Exercise 3 - The “Advanced” search

- This interface will be redesigned in the next few months.
- It is still the only way to get invalid datasets, or to search for a range of cross-sections.
- Tutorial [link](http://ami.in2p3.fr:8080/opencms/opencms/AMI/www/Tutorial/Advanced_search_interface.html):  
[http://ami.in2p3.fr:8080/opencms/opencms/AMI/  
www/Tutorial/Advanced\\_search\\_interface.html](http://ami.in2p3.fr:8080/opencms/opencms/AMI/www/Tutorial/Advanced_search_interface.html)

# Exercise 4 – details of results

- Use any search interface to get “physics\_MinBias ” data for 2010.
- Use the “group by” under data\_type to find the AOD datasets. (There were 1121 on 2010-10-18)
- Use the “group by” of prodsysStatus to see how many of these are Tier 0, and how many are reprocessed data. (Hint – use "additional Fields")
- To go further look at :

[http://ami.in2p3.fr:8080/opencms/opencms/AMI/www/Tutorial/Exploring\\_the\\_results.html](http://ami.in2p3.fr:8080/opencms/opencms/AMI/www/Tutorial/Exploring_the_results.html)

[http://ami.in2p3.fr:8080/opencms/opencms/AMI/www/Tutorial/Refine\\_the\\_Results.html](http://ami.in2p3.fr:8080/opencms/opencms/AMI/www/Tutorial/Refine_the_Results.html)

Number of catalogues

1 catalogues : This list box allows you to navigate between the project-subproject(s) with "dataset" matching your search.

You can optionally choose to : [Show Archived Catalogues](#)

**New Search Refine Search**

data10\_001\_real\_data

Full Screen

Command Home Login

dataset

1 - 15 / 123



order by

modified - created

dataset.created DESC

Sum/Min/Max

groupBy

RunQuery link

Query : amiStatus=**VALID** and logicalDatasetName like 'data10\_10TeV.%'

additional Fields +	logicalDatasetName	nFiles	totalEvents	dataType	runNumber
details	data10_10TeV.00160797.physics_MinBias.merge.AOD.f282_m573 DQ2 - GANGA export - Provenance	2	9222	AOD	160797 Run_Summary - Run_Query - DAQ_Config
details	data10_10TeV.00160797.physics_L1MinBias.merge.AOD.f282_m573 DQ2 - GANGA export - Provenance	2	11482	AOD	160797 Run_Summary - Run_Query - DAQ_Config
details	data10_10TeV.00160797.physics_CosmicCalo.merge.TAG.f282_m573_m572 DQ2 - GANGA export - Provenance	1	23461	TAG	160797 Run_Summary - Run_Query - DAQ_Config
details	data10_10TeV.00160797.physics_CosmicCalo.merge.AOD.f282_m573 DQ2 - GANGA export - Provenance	2	23461	AOD	160797 Run_Summary - Run_Query - DAQ_Config
details	data10_10TeV.00160797.physics_L1MinBias.merge.TAG.f282_m573_m572 DQ2 - GANGA export - Provenance	1	11482	TAG	160797 Run_Summary - Run_Query - DAQ_Config
details	data10_10TeV.00160797.physics_L1Muon.merge.TAG.f282_m573_m572 DQ2 - GANGA export - Provenance	1	46	TAG	160797 Run_Summary - Run_Query - DAQ_Config
details	data10_10TeV.00160797.physics_MinBias.merge.TAG.f282_m573_m572 DQ2 - GANGA export - Provenance	1	9222	TAG	160797 Run_Summary - Run_Query - DAQ_Config
details	data10_10TeV.00160797.physics_MinBias.merge.AOD.f282_m573 DQ2 - GANGA export - Provenance	2	46	AOD	160797 Run_Summary - Run_Query - DAQ_Config
details	data10_10TeV.00160797.physics_MinBias.merge.AOD.f282_m573 DQ2 - GANGA export - Provenance	1	158	AOD	160797 Run_Summary - Run_Query - DAQ_Config
details	data10_10TeV.00160797.physics_MinBias.merge.AOD.f282_m573 DQ2 - GANGA export - Provenance	2	9222	AOD	160797 Run_Summary - Run_Query - DAQ_Config

Icon → details in popUp

# Exercise 5 - Looking at the results some more

- Choose one which has “**EVENTS\_AVAILABLE**”. ([more](#))
- Click on “details” – to get the “child” elements.
- Click on “**prodsys\_task**” to get the prodsys task details.
- Click on “**files**” to browse the files.
- Notice the “**history**” buttons (“bread crumb trail”). You can even remove them.
- Click on “[Provenance](#)” of dataset. You can use this to navigate along the production chain.
  - For REAL data one gets back to the RAW type. (For MC to EVGEN and even GEN input.
  - From EVGEN you can see the jobOptions, GenFilterEfficiency + cross-section if available.)
- Notice that you can obtain a list of datasets for input to GANGA. (Advanced/Export/Ganga)



Breadcrumb trail

Select your fields

Display more

History Result: dataset

Full Screen

Command Home Login

dataset

1 - 15 / 1126

order by modified - created

Help Options Edit Fields Advanced

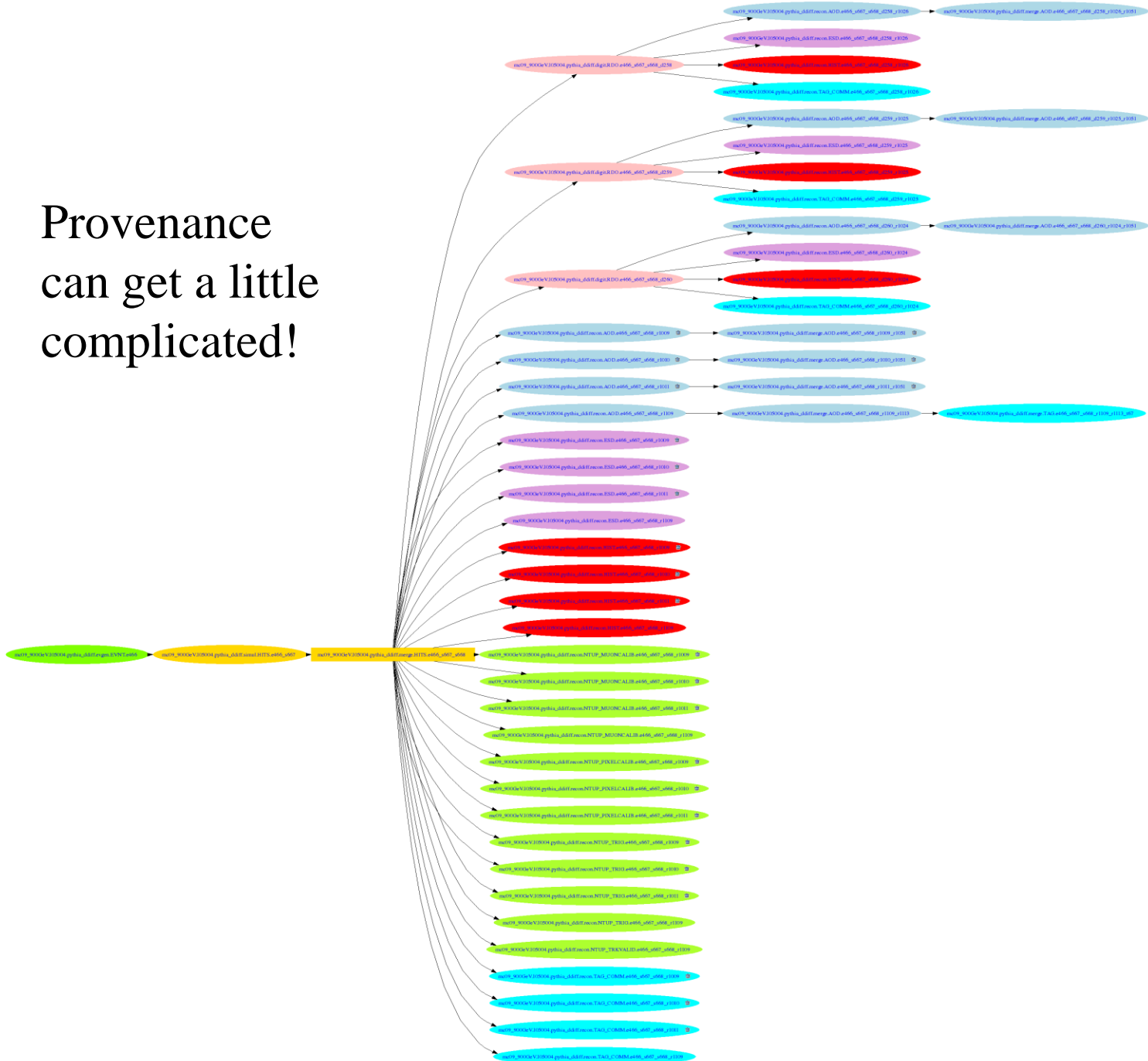
Query : (amiStatus='VALID' AND ((logi AND dataset.dataType='AOD'

additionalFields	logicalDatasetName	files	totalEvents	dataType	runNumber	period
<a href="#">details</a> New	data10_7TeV.00166964.physics_MinBias.merge.AOD.f296_m624 DQ2 - GANGA export - Provenance	1	22015	AOD	166964 <a href="#">Run_Summary</a> - <a href="#">Run_Query</a> - <a href="#">DAQ_Config</a>	
<a href="#">details</a> New	data10_7TeV.00166965.physics_MinBias.merge.AOD.f296_m624 DQ2 - GANGA export - Provenance	1	12728	AOD	166965 <a href="#">Run_Summary</a> - <a href="#">Run_Query</a> - <a href="#">DAQ_Config</a>	
<a href="#">details</a> New	data10_7TeV.00166927.physics_MinBias.merge.AOD.f296_m624 DQ2 - GANGA export - Provenance	6	191925	AOD	166927 <a href="#">Run_Summary</a> - <a href="#">Run_Query</a> - <a href="#">DAQ_Config</a>	H2
<a href="#">details</a>	data10_7TeV.00166924.physics_MinBias.merge.AOD.f296_m624 DQ2 - GANGA export - Provenance	9	322348	AOD	166924 <a href="#">Run_Summary</a> - <a href="#">Run_Query</a> - <a href="#">DAQ_Config</a>	H2
<a href="#">details</a>	data10_7TeV.00166925.physics_MinBias.merge.AOD.f296_m624 DQ2 - GANGA export - Provenance	2	54964	AOD	166925 <a href="#">Run_Summary</a> - <a href="#">Run_Query</a> - <a href="#">DAQ_Config</a>	H2
<a href="#">details</a>	data10_7TeV.00166850.physics_MinBias.merge.AOD.f296_m624 DQ2 - GANGA export - Provenance	78	852949	AOD	166850 <a href="#">Run_Summary</a> - <a href="#">Run_Query</a> - <a href="#">DAQ_Config</a>	H1
<a href="#">details</a>	data10_7TeV.00166856.physics_MinBias.merge.AOD.f296_m624 DQ2 - GANGA export - Provenance	2	37653	AOD	166856 <a href="#">Run_Summary</a> - <a href="#">Run_Query</a> - <a href="#">DAQ_Config</a>	H2
<a href="#">details</a>	data10_7TeV.00166786.physics_MinBias.merge.AOD.f296_m624 DQ2 - GANGA export - Provenance	14	425322	AOD	166786 <a href="#">Run_Summary</a> - <a href="#">Run_Query</a> - <a href="#">DAQ_Config</a>	H1
<a href="#">details</a>	data10_7TeV.00166837.physics_MinBias.merge.AOD.f296_m624 DQ2 - GANGA export - Provenance	2	21902	AOD	166837 <a href="#">Run_Summary</a> - <a href="#">Run_Query</a> - <a href="#">DAQ_Config</a>	

# Exercise 6 - Provenance

- Find the dataset  
mc09\_900GeV.105004.pythia\_ddiff.merge.AOD.e466\_s667\_s668\_d258\_r1026\_r1051
- Navigate along the PROVENANCE tree to the evgen input.
- Find the max and min cross section for this sample.
- Look at the jobOptions of the sample.
- How many prodsys tasks were used to make the sample?
- Use the breadcrumb trail to go back to the dataset details, and click on DQ2 to see the physical state of the dataset.

Provenance  
can get a little  
complicated!



# Info - The DQ2 page in AMI

- Click on "DQ2" under any dataset name. This page shows an aggregation of information from DQ2 about.
- AMI will also make you “dq2-get” commands, but in general you should not do it.
- The page manages the dataset container concept transparently.

# DQ2 info for a recently reprocessed dataset

History

## DQ2 Dataset Metadata

<b>name</b>	data10_7TeV.00166856.physics_Muons.merge.NTUP_JETMET.f296_p299/- PANDA
<b>#replicas</b>	1
<b>closeddate</b>	None
<b>creationdate</b>	2010-10-21 11:08:49
<b>deleteddate</b>	None
<b>duid</b>	fca54151-38c0-46e8-b4ef-70e44c7768e7
<b>frozendate</b>	None
<b>lastoperationdn</b>	/DC=org/DC=doegrids/OU=People/CN=Alexei Klimentov 849938
<b>lastoperationip</b>	atiddm33.cern.ch
<b>latestversion</b>	0
<b>latestvuid</b>	fca54151-38c0-46e8-b4ef-70e44c7768e7
<b>origin</b>	None
<b>owner</b>	/DC=org/DC=doegrids/OU=People/CN=Alexei Klimentov 849938
<b>physicsgroup</b>	None
<b>state</b>	open
<b>temperature</b>	None
<b>tier0state</b>	None
<b>tier0type</b>	None
<b>type</b>	2
<b>version</b>	0
<b>versioncreationdate</b>	2010-10-21 11:08:49
<b>vuid</b>	fca54151-38c0-46e8-b4ef-70e44c7768e7

## Existing Replicas

SITE	Complete datasets	Incomplete datasets	Total datasets
<b>BNL-OSG2_DATADISK</b> <a href="#">Dashboard</a> - <a href="#">LDNList</a>	1	0	1

## Subscriptions

No subscription found

## Subscription procedure


 You must register on DDM in order to subscribe to a dataset.

## Contained datasets (1)


[data10\\_7TeV.00166856.physics\\_Muons.merge.NTUP\\_JETMET.f296\\_p299\\_tid179000\\_00](#)

Replica info.

TID info

Dataset files View  records, starting from n?  of 116 order by LFN ASC  

Dataset size: 23992922043

 <b>LFN</b> ▲	<b>GUID</b> ▲	<b>md5</b> ▲	<b>Size</b> ▲
NTUP_JETMET.179000_000001.root.1	14ba8acb-7858-486a-a5a7-151e363ec473	ad:578dfefa	208402890
NTUP_JETMET.179000_000002.root.1	172fe7c4-df08-4859-bc34-cb45a5b9d135	ad:e1a7dff1	210796117
NTUP_JETMET.179000_000003.root.1	05d13182-efb-43e1-920e-942714c9c0c8	ad:5ae2a85c	208294040
NTUP_JETMET.179000_000004.root.1	0929adbd-437d-4611-b321-1c79f7980eb7	ad:c0b865c3	215180203

Physical file info

# Exercise 7a - Config Tags (also known as AMI tags)

- A concatenation of configurations for successive processes.

Example: **e466\_s667\_s668\_d258\_r1026\_r1051** (last field of dataset name)

e466 → event generation parameters

s667, s668 → simulation parameters  
(simul.HITS, merge.HITS)

d258 → digitization

r1026,r1051 → reconstruction/ reprocessing parameters

- Interpretation of Config tags

<http://ami.in2p3.fr/opencms/opencms/AMI/www/ReferenceTables/>

## Ex. 7b Searching using the Config Tag.

- <http://ami.in2p3.fr/opencms/opencms/AMI/www/Tutorial/ConfigTags>
- Find a list of mc datasets which used `triggerConfig="MCRECO:DB:TRIGGERD  
BMC:240 107 188"`.
- Choose one which used `conditionsTag="OFLCOND-SDR-BS900-04-02"` and list the datasets. (2010-10-20 – the tag is in validation)

## Ex. 7c - Comparing tags

- Hint - use the "Simple Search page"
- What is the difference between r1026 and r1051?



	<b>r1026</b> Datasets		<b>r1051</b> Datasets	
<b>r1026</b>				<b>r1051</b>
	OFLCOND-DR-BS900-A1-03	<b>ConditionsTag</b>	NONE	
	8.2.1	<b>DBRelease</b>	8.3.1	
	ATLAS-GEONF-08-00-02	<b>Geometry</b>	NONE	
	none	<b>JobConfig</b>	none	
	AtlasTier0_15.5.4.10	<b>SWReleaseCache</b>	AtlasProduction_15.6.1.5	
	MCRECO:InitialBeam_v1	<b>TriggerConfig</b>	none	
		<b>description</b>		
	recon	<b>productionStep</b>	recon	
	valid	<b>readStatus</b>	valid	
	Reco_trf.py	<b>transformation</b>	Merging_trf.py	
	valid	<b>writeStatus</b>	valid	
	NONE	<b>--athenaopts</b>	NONE	
	ALL	<b>--ignoreerrors</b>	NONE	
	NONE	<b>--omitvalidation</b>		
	NONE	<b>BeamType</b>		
	everything	<b>autoconfiguration</b>	everything	
	1000	<b>events_per_job</b>	10000	
	NONE	<b>extraparameter</b>	NONE	
	ATLAS-GEONF-08-00-02	<b>geometryversion</b>		
	NONE	<b>outputtypes</b>		
	import%OBMDTcabling.MDTcabling...	<b>postExec</b>	NONE	
	NONE	<b>postInclude</b>	NONE	
	...Commissioning.set_Value_an...	<b>preExec</b>	NONE	
	...JobTransforms/SetJetConstan...	<b>preInclude</b>	NONE	
		<b>topoptions</b>		

Differences  
are  
highlighted

## Exercise 8 – keyword search

- Use the Simple Search page to look for RDO datasets with "pile-up". (Hint – use the keyword function).
- Use the Provenance Link to see the MinBias input for any one of these datasets.

# AMI Accounts

- Logging on to AMI.

- In general you do not need to log on to read (at the moment)

- You can make an AMI account to access a personal page.

- You **must log** on for any **writing** operation.

- Once you log on to AMI you can make bookmarks.

- <http://ami.in2p3.fr/opencms/opencms/AMI/www/Client/LinksToAMIPages.pdf>

- Tutorial link :

- [http://ami.in2p3.fr/opencms/opencms/AMI/www/Tutorial/Other\\_AMI\\_basic\\_functionalities.html](http://ami.in2p3.fr/opencms/opencms/AMI/www/Tutorial/Other_AMI_basic_functionalities.html)

# Exercise 9 Ad Hoc queries.

- Ad Hoc queries. (For really advanced users!)  
[http://ami.in2p3.fr/opencms/opencms/AMI/www/Tutorial/Refine\\_the\\_search.html](http://ami.in2p3.fr/opencms/opencms/AMI/www/Tutorial/Refine_the_search.html)
- From the dataset frame menu go to Advanced/Refine\_Query
- You get to a graphic query builder for the particular schema.
  - Example: Which AOD datasets have more than 800 lumi blocks and used conditions Tag COMCOND-BLKPST-004-00 ? (see next slide))

data10\_001\_real\_data

### History

Result: dataset

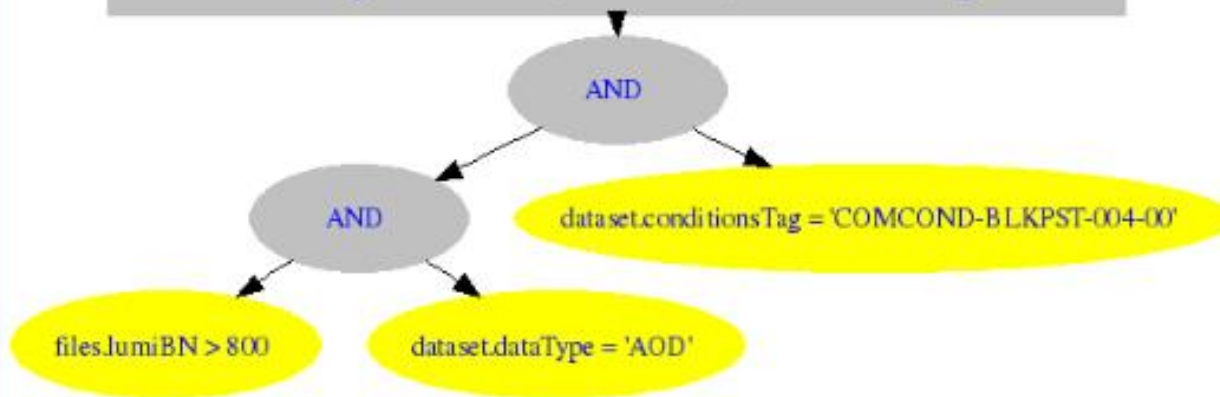
Result: dataset

Detail: dataset

Result: files

Full Screen

```
SELECT dataset.logicalDatasetName, dataset.nFiles, dataset.conditionsTag WHERE
```



Graph by WebDot

Execute Query

# Python Client

- pyAMI. Everything in AMI can be obtained from the python client.

[http://ami.in2p3.fr/opencms/opencms/AMI/www/Client/pyAMISecure\\_and\\_cmt](http://ami.in2p3.fr/opencms/opencms/AMI/www/Client/pyAMISecure_and_cmt)

- User Guide (PDF)

<http://ami.in2p3.fr/opencms/opencms/AMI/www/Client/pyAMIUserGuide.pdf>

Extra slides if network fails!

- [AMI Portal Home](#)
- [Dataset Search Tutorial](#)
- [Client](#)
- [Developer](#)
- [Presentations](#)
- [Principles of AMI Design](#)
- [Nomenclature](#)
- [Metadata Dictionary](#)

## Welcome to the ATLAS Metadata Interface!

*This page gives access to two ATLAS tools (choose the **https** links to authenticate with your certificate)*

The **Tag Collector** for ATLAS software release management. [http](#), [https](#)

The **AMI Dataset Search** of ATLAS real and simulated data. [http](#), [https](#)

- An [overview](#) of all the datasets catalogued in AMI. ( [http](#), [https](#) )
- The [simplest way of searching](#) is by dataset name (fast) or keyword (longer, because many fields are searched).( [http](#), [https](#) ) links to the dataset search and the configuration tag interpretation
- The [advanced](#) search lets you set search criteria on some selected fields. N.B. By default AMI hides datasets which are deleted or known to be bad, this can be disabled when you use the advanced search. ( [http](#), [https](#) )
- [Interpretation of the dataset configuration tags](#). ( [http](#), [https](#) )
- Once you get your results, you can refine them, either by using the selection functions attached to the columns of your result set, or by going to the powerful "Refine Query " interface. If you are new to databases and SQL, we advise you to work through the [tutorial](#) before using the "Refine Query" functions. We can also provide bookmarks to complex queries on demand.

### Latest news:

- [How to make links to AMI](#) .
- [ATLAS METADATA WORKSHOP 30/31 August 2010 LPSC Grenoble](#) .
- [July 2010 : perf-muons physics group has its own AMI catalogue.](#)
- [April 2010 : A new pyAMI user guide is available \(1.2\). It explains how to connect to the CERN read only replica of AMI.](#)
- [January 2010](#) : Configuration tags are now read directly from the Task Request data base. A new function to compare two tag strings is available.
- [November 2009](#) : First BEAM 2009 data09\_1beam (2009-11-21) and data09\_900GeV (2009-11-23)





Overview of catalogued datasets

(valid = 92577 , total = 135375)

Catalogue	Datasets	Series	Start Date	Manager	Status
data08_001-real_data	(Browse) <b>45151</b>	All <input type="button" value="v"/> (Browse)	2008-3-4	nairz	open
mc08-production	(Browse) <b>6922</b>	All <input type="button" value="v"/> (Browse)	2008-2-19	amiadmin	open
fdr08-real_data	(Browse) <b>2030</b>	All <input type="button" value="v"/> (Browse)	2008-2-1	amiadmin	open
data07_cosM5-real_data	(Browse) <b>7126</b>	All <input type="button" value="v"/> (Browse)	2007-11-5	Nairz	open
Cos07_M4_01-real_data	(Browse) <b>2529</b>	All <input type="button" value="v"/> (Browse)	2007-9-24	Nairz	open
StreamTest_2007-production	(Browse) <b>1215</b>	All <input type="button" value="v"/> (Browse)	2007-1-31	Hinchliffe	open
csc-production	(Browse) <b>6051</b>	All <input type="button" value="v"/> (Browse)	2006-9-26	hoecker	open
POOL_Cond-2007	(Browse) <b>31</b>	All <input type="button" value="v"/> (Browse)	2006-8-30	Hawkings	open
LArCalorimeter-real_data	(Browse) <b>89</b>	All <input type="button" value="v"/> (Browse)	2006-7-3	Hong	closed
mc11-production	(Browse) <b>8293</b>	All <input type="button" value="v"/> (Browse)	2006-4-10	Hinchliffe	open
mc11test-production	(Browse) <b>1146</b>	All <input type="button" value="v"/> (Browse)	2006-3-15	nevski	open
CTB_RealData-reconstruction	(Browse) <b>5505</b>	All <input type="button" value="v"/> (Browse)	2005-5-16	Farilla	closed
CTB_MonteCarlo-reconstruction	(Browse) <b>632</b>	All <input type="button" value="v"/> (Browse)	2005-5-16	Farilla	closed
CTB_MonteCarlo-simulation	(Browse) <b>762</b>	All <input type="button" value="v"/> (Browse)	2005-5-16	Farilla	closed
CTB_MonteCarlo-digitization	(Browse) <b>718</b>	All <input type="button" value="v"/> (Browse)	2005-5-16	Farilla	closed
CTB_EC2-testbeam	(Browse) <b>2963</b>	All <input type="button" value="v"/> (Browse)	2005-5-16	Albrand	archive
DC2-production	(Browse) <b>63</b>	All <input type="button" value="v"/> (Browse)	2005-3-16	Albrand	archive
ID_CTB_MonteCarlo-simulation	(Browse) <b>387</b>	All <input type="button" value="v"/> (Browse)	2004-8-1	Albrand	archive
ID_CTB_MonteCarlo-digitization	(Browse) <b>387</b>	All <input type="button" value="v"/> (Browse)	2004-8-1	Albrand	archive
DC1-generation	(Browse) <b>440</b>	All <input type="button" value="v"/> (Browse)	2003-3-16	Albrand	archive

# AMI

Use % for wildcarding:  
example "mc08%RDO%"

[Advanced Search](#)  
[Overview](#)

Search by  Name  Keywords

Enter a simple or a compound  
configuration tag  
examples : "e1", "e1\_s1\_d1\_r1"

[Browse/Search all configuration tags](#)  
[More Nomenclature Functions](#)

## Multi-Catalog Dataset Search Form

-Define your search parameters in order to find datasets recorded in AMI compliant databases.  
-Undefined parameters are not taken into account in the search.  
-If it's your first use, try our [Tutorial](#).

Search

### General parameters

<b>Physics Group</b>	(common)(list)	All	▼	User's physics or production group.
<b>Keyword</b>	(string)	<input type="text"/>		Search for part of the dataset name eg 5144. Use % for wildcarding - eg. csc%Jimmy.
<b>Physicist</b>	(string)	<input type="text"/>		The dataset owner's name.
<b>Status Filter</b>	(boolean)	<input checked="" type="checkbox"/> exclude trashed		Exclude non valid datasets from search when checked.

### Data format parameters

<b>Data format</b>	(common)(list)	All	▼	Type of data contained in the dataset.
<b>Production step</b>	(common)(list)	All	▼	The production step for data of your dataset.
<b>ATLAS release</b>	(common)(list)	All	▼	The ATLAS release used to generate data of your dataset.
<b>Geometry</b>	(common)(list)	All	▼	The geometry used to generate data of your dataset.

### Physics property parameters

#### Unselected properties

#### Selected properties

<input type="text" value="correctedCrossSection"/>	>>	<input type="text"/>
	<<	

- You can specify one or more physics properties for your dataset search.  
- Select a physics property in the list and click on >> to add it to your search parameters.  
- Select a physics property in the list and click on << to remove it from your search parameters.

Search



## Multi-Catalog Dataset Search Form

**-Define your search parameters** in order to find datasets recorded in AMI compliant databases.  
 -Undefined parameters are not taken into account in the search.  
 -If it's your first use, try our [Tutorial](#).

Search

### General parameters

<b>Physics Group</b>	(common)(list)	<input type="text" value="phys-beauty"/>	User's physics or production group.
<b>Keyword</b>	(string)	<input type="text"/>	Search for part of the dataset name eg 5144. Use % for wildcarding - eg. csc%Jimmy.
<b>Physicist</b>	(string)	<input type="text"/>	The dataset owner's name.
<b>Status Filter</b>	(boolean)	<input checked="" type="checkbox"/> exclude trashed	Exclude non valid datasets from search when checked.

### Data format parameters

<b>Data format</b>	(common)(list)	<input type="text" value="All"/>	Type of data contained in the dataset.
<b>Production step</b>	(common)(list)	<input type="text" value="All"/>	The production step for data of your dataset.
<b>ATLAS release</b>	(common)(list)	<input type="text" value="All"/>	The ATLAS release used to generate data of your dataset.
<b>Geometry</b>	(common)(list)	<input type="text" value="All"/>	The geometry used to generate data of your dataset.

### Physics property parameters

#### Unselected properties


#### Selected properties

<input type="text" value="correctedCrossSection"/>	<input type="button" value="&gt;&gt;"/>	<input type="text"/>
	<input type="button" value="&lt;&lt;"/>	

- You can specify one or more physics properties for your dataset search.
- Select a physics property in the list and click on >> to add it to your search parameters.
- Select a physics property in the list and click on << to remove it from your search parameters.

Search

## dataset Search Result



- csc-production
- mc08-production
- mc11-production
- mc11test-production

This list box allows you to navigate between the project-subproject(s) with "dataset" matching your search.  
Close to : [Show Archived Catalogues](#)



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order by

dataset.created DESC

Help Options Edit Fields Advanced

Query : ((dataset#physics\_group.groupName = 'phys-beauty' OR dataset.principalPhysicsGroup = 'phys-beauty') AND dataset.amiStatus != 'TRASHED')

additionalFields +	logicalDatasetName 🔍	dataType 📄 🔍	AtlasRelease 📄 🔍	prodsysStatus 📄 🔍
details	mc08.017520.PythiaB_ccmu4X.recon.log.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	LOG	14.1.0	LOG
details	mc08.017520.PythiaB_ccmu4X.recon.AOD.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	AOD	14.1.0	EVENTS_AVAILABLE
details	mc08.017520.PythiaB_ccmu4X.recon.ESD.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	ESD	14.1.0	EVENTS_AVAILABLE
details	mc08.017524.PythiaB_ccmu9X.recon.log.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	LOG	14.1.0	EVENTS_AVAILABLE
details	mc08.017524.PythiaB_ccmu9X.recon.ESD.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	ESD	14.1.0	EVENTS_AVAILABLE
details	mc08.017524.PythiaB_ccmu9X.recon.AOD.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	AOD	14.1.0	EVENTS_AVAILABLE
details	mc08.017501.PythiaB_bbmu4X.recon.log.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	LOG	14.1.0	LOG
details	mc08.017501.PythiaB_bbmu4X.recon.AOD.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	AOD	14.1.0	EVENTS_AVAILABLE
details	mc08.017501.PythiaB_bbmu4X.recon.ESD.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	ESD	14.1.0	EVENTS_AVAILABLE
details	mc08.017523.PythiaB_ccmu4mu4X.recon.log.e323_s400_d99_r474 DQ2 - GANGA export - Prodsys - Provenance - Series	LOG	14.1.0	EVENTS_AVAILABLE



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order by

dataset.created DESC

Help Options Edit Fields Advanced

Query : ((dataset#physics\_group.groupName = 'phys-beauty' OR dataset.principalPhysicsGroup = 'phys-beauty') AND dataset.amiStatus != 'TRASHED')

DATATYPE	TOTAL	BROWSE
AOD	12	<a href="#">Go</a>
ESD	12	<a href="#">Go</a>
EVNT	51	<a href="#">Go</a>
HIST	6	<a href="#">Go</a>
HITS	23	<a href="#">Go</a>
LOG	120	<a href="#">Go</a>
NTUP	6	<a href="#">Go</a>
RDO	36	<a href="#">Go</a>

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History Result: dataset ✖ Result: dataset ✖

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Help Options Edit Fields Advanced

Query : (((dataset#physics\_group.groupName = 'phys-beauty' OR dataset.principalPhysicsGroup = 'phys-beauty') AND dataset.amiStatus != 'TRASHED') ) AND dataset.dataType='RDO'

additionalFields	dataset.datasetNumber	Type	AtlasRelease	prodsysStatus	principalPhysicsGroup	datasetNumber
+ details	mc08.019900.Pythia_directUpsilonmu6mu4.digit.RDO.e327_s400_d99 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	19900
details	mc08.019900.Pythia_directUpsilonmu6mu4.digit.RDO.e328_s404_d117 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	19900
details	mc08.017504.Pythia_directJpsimu4mu4.digit.RDO.e325_s404_d117 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	17504
details	mc08.019901.Pythia_directUpsilonmu4mu4.digit.RDO.e328_s404_d117 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	19901
details	mc08.017520.PythiaB_ccmu4X.digit.RDO.e325_s404_d117 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	17520
details	mc08.017508.PythiaB_bbm4mu4X.digit.RDO.e325_s404_d117 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	17508
details	mc08.017523.PythiaB_ccmu4mu4X.digit.RDO.e325_s404_d117 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	17523
details	mc08.005720.PythiaB_bb_Jpsie2e2Xmu6.digit.RDO.e325_s404_d117 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	5720



History

Result: dataset ✖

Result: dataset ✖

Result: dataset ✖

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order by

dataset.created DESC

Help Options Edit Fields Advanced

Query : (((dataset#physics\_group.groupName = 'phys-beauty' OR dataset.principalPhysicsGroup = 'phys-beauty') AND dataset.amiStatus != 'TRASHED') AND dataset.dataType='RDO') AND dataset.datasetNumber LIKE '%19900'

additionalFields +	logicalDatasetName ▼ ▲	dataType ▼ ▲	AtlasRelease ▼ ▲	prodsysStatus ▼ ▲	principalPhysicsGroup ▼ ▲	datasetNumber ▼ ▲
details	mc08.019900.Pythia_directUpsilonmu6mu4.digit.RDO.e327_s400_d99 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	19900
details	mc08.019900.Pythia_directUpsilonmu6mu4.digit.RDO.e328_s404_d117 DQ2 - GANGA export - Prodsys - Provenance - Series	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	19900



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History Result: dataset ✖ Result: dataset ✖ Result: dataset ✖

Order by

**Help Options Edit Fields Advanced**

**phys-beauty** OR dataset.principalPhysicsGroup = **'phys-beauty'** AND dataset.amiStatus != **'TRASHED'** ) AND dataset.dataType=**RDO** ) AND dataset.datasetNumber LIKE **'%19900%'**

<b>FullDatasetName</b>	<b>dataType</b>	<b>AtlasRelease</b>	<b>prodsysStatus</b>	<b>principalPhysicsGroup</b>	<b>datasetNumber</b>	<b>geometryVersion</b>	<b>productionStep</b>
Upsilonmu6mu4.digit.RDO.e327_s400_d99 <small>port - Prodsys - Provenance - Series</small>	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	19900	ATLAS-CSC-02-01-00 <small>GeometryInfo</small>	digit
Jpsilonmu6mu4.digit.RDO.e328_s404_d117 <small>port - Prodsys - Provenance - Series</small>	RDO	13.0.40	EVENTS_AVAILABLE	phys-beauty	19900	ATLAS-CSC-02-01-00 <small>GeometryInfo</small>	digit

**dataset**

**Options**

Element's information

logicalDatasetName	mc08.019900.Pythia_directUpsilonmu6mu4.digit.RDO.e328_s404_d117 DQ2 - GANGA export - Prodsys - Provenance - Series
dataType	RDO
physicsCategory	
physicsSubcategory	
TransformationPackage	13.0.40.5
physicistResponsible	
physicsComment	
physicsProcess	
AtlasRelease	13.0.40
prodsysStatus	EVENTS_AVAILABLE
jobConfig	SimuJobTransforms/noLArDigitThinnerConfig.py,SimuJobTransforms/Lumi010DigitConfig_75ns.py
principalPhysicsGroup	phys-beauty
physicsShort	Pythia_directUpsilonmu6mu4
requestedBy	i_hinchliffe@lbl.gov
totalEvents	484800
creationComment	Pythia_directUpsilonmu6mu4
datasetNumber	19900
version	e328_s404_d117 Config_Tag - Datasets
geometryVersion	ATLAS-CSC-02-01-00 GeometryInfo


Children elements

files	4848 Records
dataset_extra	13 Records
dataset_comment	No records found
jobOptions	No records found
dataset_keywords	No records found
event_range	1 Records

Associated elements

physics_group	No records found
---------------	------------------

**event\_range**

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**Help Options Edit Fields Advanced**

Query : dataset.identifier='28989'

additionalFields	prodsysIdentifier	taskStatus	nEvent	grid	nOutputFilesRequested	nOutputFilesDone
	 	 	 	 	 	 
details	22128	FINISHED	0	panda@ca		4848

