

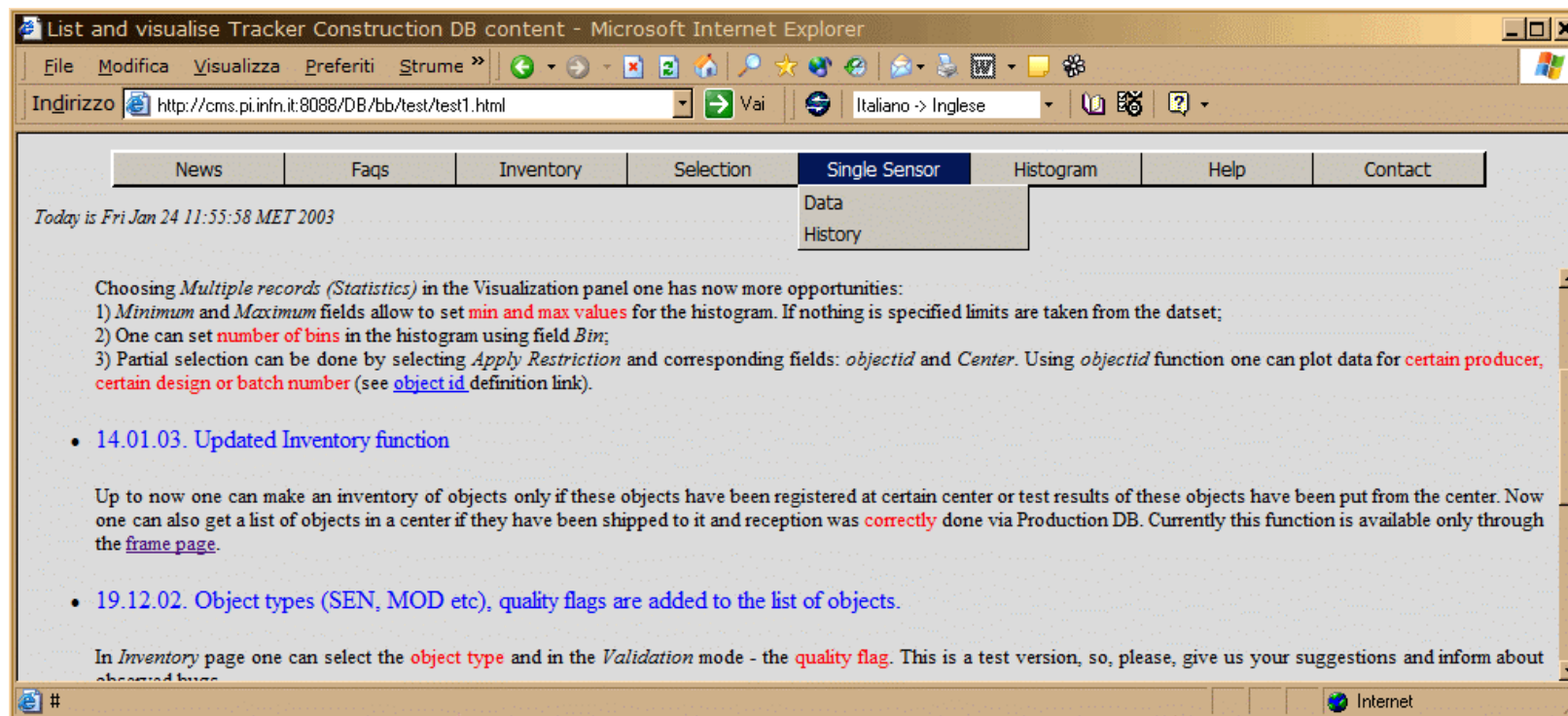
WEB Interface to the DB

Pisa DB SW Group

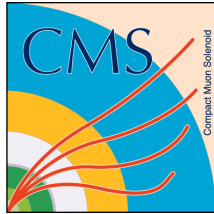
K.Karafasoulis, F.S. Rinaldi, A.Starodumov



Main Menu



- Javascript Pulldown Menu
- Browsers Compatibility



Single Sensor – Summary Table

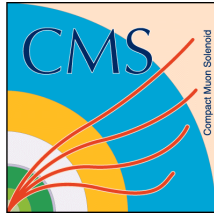


Sensor Data	
Object ID	30210323412513
BreakDown Voltage (in V)	552
ITOT V1 (in nA)	582.6
ITOT V2 (in nA)	700
Depletion Voltage (in V)	196.66
Mean I Diel (in nA)	0.01
Position of Bad Strips IDIEL	NULL
Mean I Strip(in nA)	0.73
Position of Bad Strips ISTRIP	NULL
Mean CAC (in pF)	331.12
Position of Bad Strips CAC	1
Mean R Poly(in MOhm)	1.4
Position of Bad Strips RPOLY	NULL
Total Number of Bad Strips	1

IVTEST	CVTEST	RPOLY	IDIEL	CAC	ISTRIP	INSPECTION	SCANSUMMARY	GLOBAL
:0:	:0:	:0:	:0:	:0:	:0:	NULL	:0:	NULL

Produce 6 result plots

- Single Sensor -> Data
- Compact Summary page
- [The Query](#)
 - *REFERENCE status*
 - *Karlsruhe Validation Table*
- It is used by other scripts
- [It produces plots](#)



Single Sensor - History



Query Results - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strume >>

Indirizzo http:// Vai Italiano -> Inglese

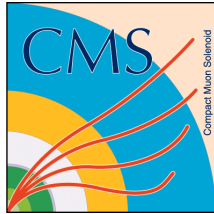
QUERY RESULTS

2 records are listed below

OBJECT_ID	POSITION	TRANSFER_ID	CURRENT_ACTION	CENTER	SEQUENCE
30221525000102	ready	NULL	Registration	CERN	2003-01-23 11:18:25.0
30221525000102	shipping	302999991000340	Registration	COURIER	2003-01-23 11:19:00.0

Operazione completata Internet

- Single Sensor -> History
- Ordered events from History table
- [The Query](#)
- It is used by other scripts



Inventory



List and visualise Tracker Construction DB content - Microsoft Internet Explorer

Indirizzo <http://cms.pi.infn.it:8088/DB/bb/test/test1.html>

News Faqs **Inventory** Selection Single Sensor Histograms Help Contact

Today is Sat Jan 25 19:23:24 MET 2003 Sp uG 143 1 1

Inventory

Center

Registration

Validation Flag

Shipped

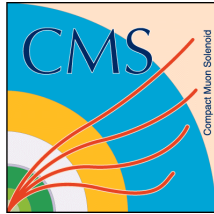
Inventory

Object_type

List of the objects which have been shipped and not yet received.
(This could be slow ..)

../inventorynew.html Internet

- Inventory
- Query for objects according to center, actions, object_type.
- Inventory for each center
- List of ‘inshipping’ objects
- [Validation Output](#)
- [Validation Query](#)
- [Shipping Output](#)
- [Inventory Query](#)



Selection by properties



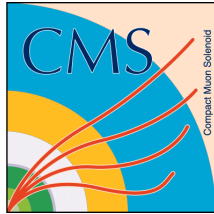
Selection by properties

Parameter	Min	Max
V_break	<input type="text" value="500"/>	<input type="text" value="600"/>
V_depl	<input type="text" value="30"/>	<input type="text" value="300"/>
Bad strip	<input type="text" value="7"/>	
Center	<input type="text" value="Vienna"/>	

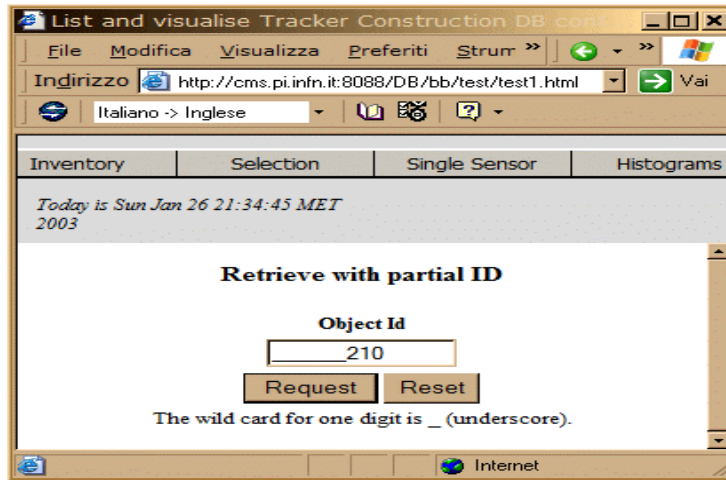
Found 44 objects in VIENNA

Object ID	V_break	V_depl	N of bad strips
30210321847703	552	188.15	5
30210321847706	552	184.83	5
30210321847711	552	189.59	3
30210321847713	552	180	2
30210321847716	552	188.4	4
30210920939404	552	189.74	1
30210920939408	552	178.9	1
30210920939409	552	183.11	1
30210920939413	552	150	5

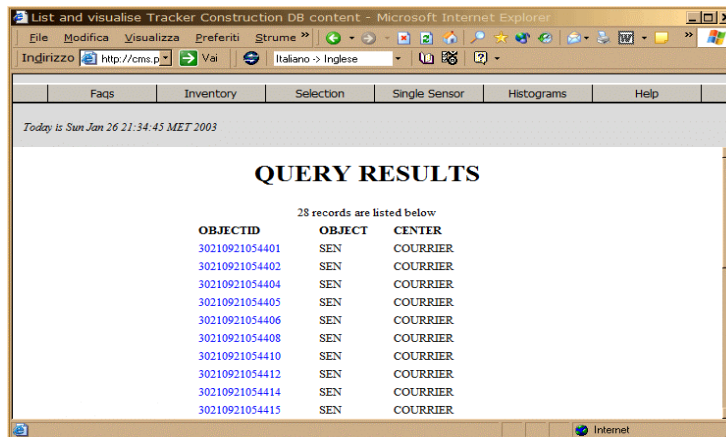
- Selection -> Properties
- Objects with certain values of BreakDown and Depletion Voltage, number of Bad strips
- [The Query](#)
- **MUST** have a record in **ALL** these 3 tables with the the STATUS field equal to **REFERENCE**
- Differences with Inventory (Validation)

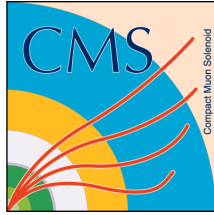


Select by Groups of ID



- Selection -> Group
- List of Object through parts of object_id
- [The Query](#)





Visualization



List and visualise Tracker Construction DB content - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strume »

Indirizzo /ai Italiano -> Inglese

Faqs Inventory Selection Single Sensor Histograms Help

Today is Sun Jan 26 21:34:45 MET 2003

Tracker Database access through xml relay

Please, Select the DB table and the type of your query.

Database: prod

Table: IVTEST_1_SEN_

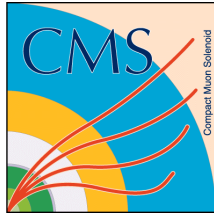
Type: Single Record (Scatter plot)

Select:
1) Single Record (Scatter Plot), if you plan to select 2 vectors Y and X to make Y vs X plot
2) Single Record (Histogram), if you plan to select just one vector to draw it vs the strip number
3) Multiple Vectors (Statistics), if you plan to select a single value from multiple records and fill a histogram.

Submit

Internet

- Histograms -> Histogram
- Single Record (Scatter Plot)
- Single Record (Histogram)
- Multiple Records (Statistics)
- [Example](#)



Frame Page



Found 243 objects in Perugia

Object ID	V_break	V_depl	N of bad strips
30210323412501	552	200.53	6
30210323412504	552	201	0
30210323412507	552	218.69	1
30210323412509	552	194.58	6
30210323412510	552	195.07	2
30210323412511	552	195.96	5
30210323412512	552	200.57	3
30210323412513	552	196.66	1
30210323412514	552	190.26	6
30210323412515	552	188.75	0
30210323412517	552	205.65	4
30210323412519	552	191.48	3
30210323412523	552	201.55	0
30210323412524	552	205.45	0
30210323412525	552	204.87	1
30210404439206	552	123.61	6
30210404439209	552	107.73	4
30210404439214	552	68.37	6

Tracker Database access through xml relay

Please, Select the DB table and the type of your query.

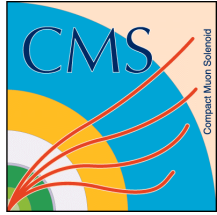
Database:

Table:

Type:

Select:
1) Single Record (Scatter Plot), if you plan to select 2 vectors Y and X to make Y vs X plot
2) Single Record (Histogram), if you plan to select just one vector to draw it vs the strip number
3) Multiple Vectors (Statistics), if you plan to select a single value from multiple records and fill a histogram.

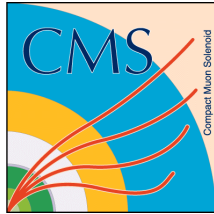
- Histograms ->List and Plot
- On the left frame you can get the various lists
- Copy and Paste object_id's in the right frame



Problems (in the database)



- Fields in **VALID** status instead of **REFERENCE**
- Problems with **SHIPPING**
- Problems with **REGISTRATION**

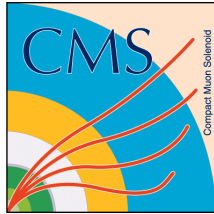


Registration Problem



OBJECT_ID	POSITION	TRANSFER_ID	CURRENT_ACTION	CENTER	SEQUENCE
38210414308314	running	NULL	VALIDATION	PERUGIA	2002-05-05 20:44:36.0
38210414308314	ready_for_shipping	NULL	VALIDATION	PERUGIA	2002-06-07 17:28:14.0
38210414308314	running	NULL	VALIDATION	PERUGIA	2002-06-07 17:37:25.0

- Sensors which has **VALIDATION** field in History, but **NOT REGISTRATION** one
- We found 107 Sensors in this position



Shipping problem



Query Results - Microsoft Internet Explorer

File Modifica Visualizza Preferiti Strume »

Indirizzo ai Italiano -> Inglese

QUERY RESULTS

9 records are listed below

OBJECT_ID	POSITION	TRANSFER_ID	CURRENT_ACTION	CENTER	SEQUENCE
30210921054401	ready	NULL	Registration	VIENNA	2002-10-17 16:15:00.0
30210921054401	running	NULL	VALIDATION	VIENNA	2002-11-25 16:24:16.0
30210921054401	shipping	30299991000207	VALIDATION	COURRIER	2002-11-28 02:01:24.0
30210921054401	ready	30299991000207	shipping	LOUVAIN	2002-11-28 03:27:49.0
30210921054401	faulty	NULL	TSPROCESSQUALIFICATION	LOUVAIN	2002-12-09 12:04:24.0
30210921054401	ready	30299991000275	shipping	VIENNA	2002-12-12 02:38:15.0
30210921054401	shipping	30299991000251	shipping	COURRIER	2002-12-13 03:07:45.0
30210921054401	ready	30299991000251	shipping	VIENNA	2002-12-13 06:48:34.0
30210921054401	shipping	30299991000209	shipping	COURRIER	2003-01-15 12:33:23.0

Operazione completata

Internet

- Problems with shipping