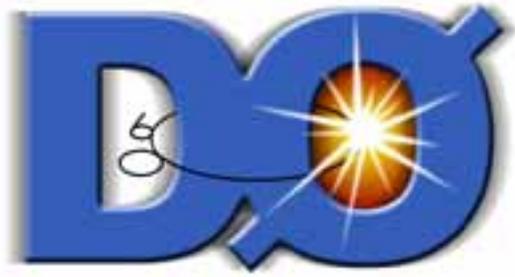


Luminosity Database Report Web Pages

- Luminosity group;
- Luminosity Database;
- Luminosity Database Design;
- Reporting;
- Database Query & Web Report.

Ana Carolina Assis Jesus

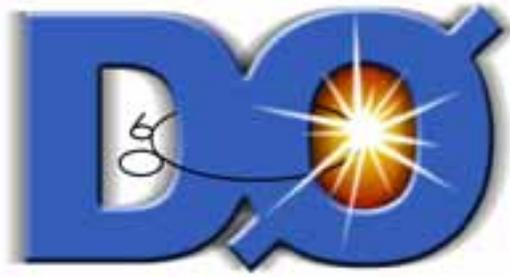


Luminosity Group



- Measure, record and provide normalization information appropriate for DØ physics analysis.
- How to get the luminosity information?

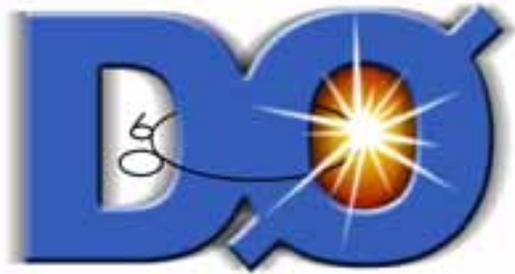
Luminosity Database



Luminosity DB Plan



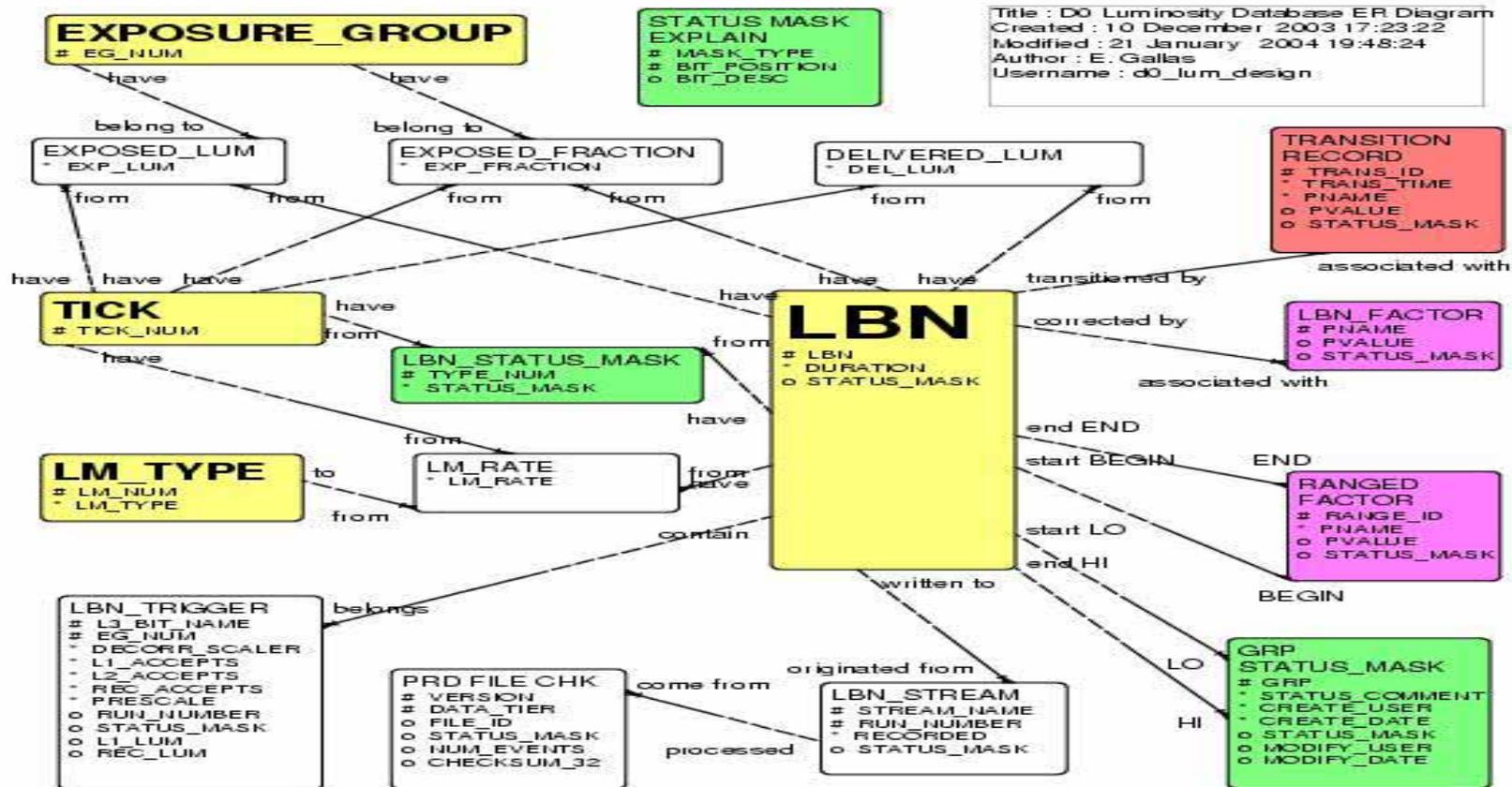
- 1) Access to ALL information needed to perform any physics analysis.
- 2) Luminosity information from a real DB instead of flat files.
- 3) Generate customized web reports on delivered, triggered and recorded luminosity using a database query.

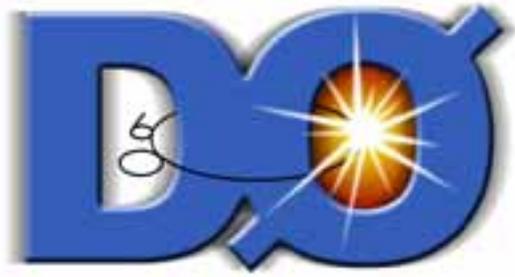


Luminosity DB Design



Title : DO Luminosity Database ER Diagram
 Created : 10 December 2003 17:23:22
 Modified : 21 January 2004 19:48:24
 Author : E. Gallas
 Username : d0_lum_design

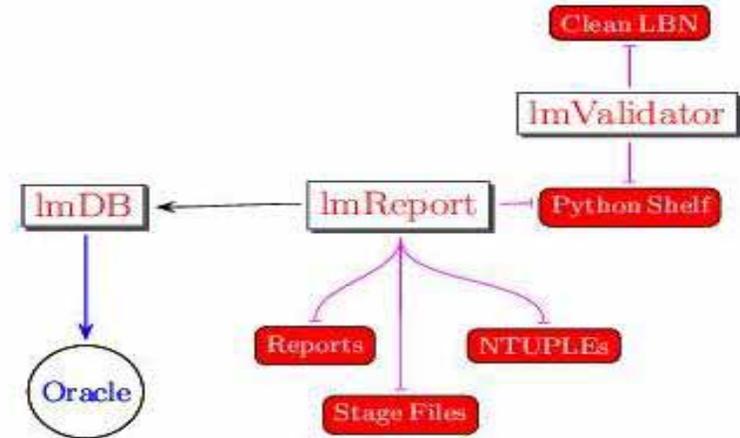




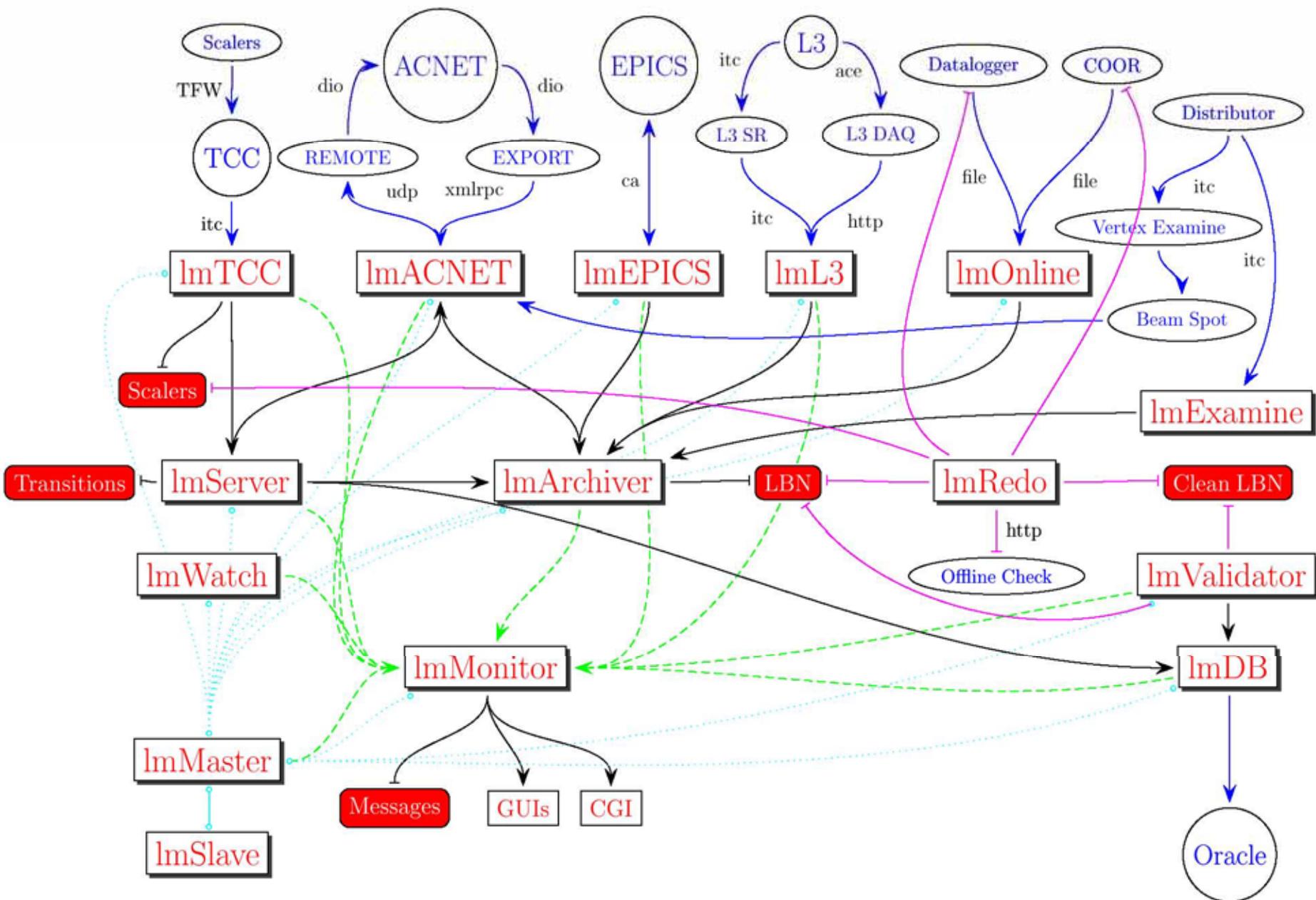
Reporting

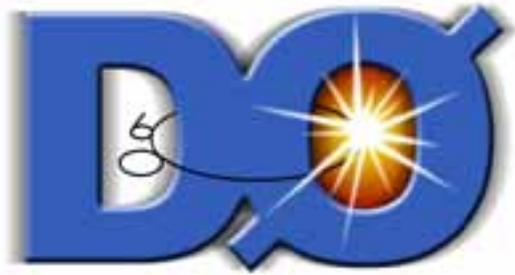


- Validated data are stored in a python shelves.
- These shelves are processed by ImReport to create the operations reports and normalization files.
- The goal is not use this shelves anymore but the db_tables directly.



Luminosity Data Acquisition





Database Query Page



Make a DØ Luminosity Database Query

Make a DØ Luminosity Database Query

Choose the Report Type:	<input checked="" type="radio"/> Single Run Report <input type="radio"/> Multiple Run Report
Query by Run Number or Run Range	= <input type="text"/> <input type="text"/> = <input type="text"/> <input type="text"/>
Query by Store Number	<input type="text"/>
Query by Date or Date Range (YYYY-MM-DD)	= <input type="text"/> <input type="text"/> = <input type="text"/> <input type="text"/>
Runs using Trigger List Name-Version: (Example: "global_CMT-12.20")	<input type="text"/>
Check here to select only normalizable runs during an official store	<input type="checkbox"/>
Choose Cuts on Data Quality	<input checked="" type="radio"/> All Data <input type="radio"/> Good <input type="radio"/> Bad

[Click here !](#)

This flat html file is maintained by the [DØ Luminosity Group](#)

(d0ofdev1 Version)

Last modified: Fri Jan 23 15:33:13 CST 2004

Luminosity Report Types:

- Single Run
 - Run Number
- Multiple Run
 - Store Number
 - Date Range
 - Run Range
 - Trigger List
 - combination