

Status and Plans

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Outline:

- Status of DoSSiER
 - Geant 4 test data (simplified Calo)
 - RESTful Web service and Web Application
- Plans

http://g4devel.fnal.gov:8080/DoSSiER/









Geant4 test data Simplified Calo in DoSSiER



Java script plotting tool

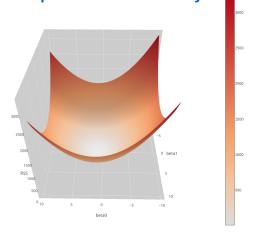
Replace google charts with plotly.js: https://plot.ly/javascript/

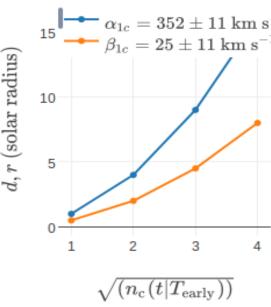
- Many scientific charts available.
- Runs locally, can distribute code with DoSSiER (google-chart renders on google servers).
- Open source.(google-chart is not! open source).
- Interactive.

Input data json (JavaScript Object Notation) style instead of 'clumsy' google table.

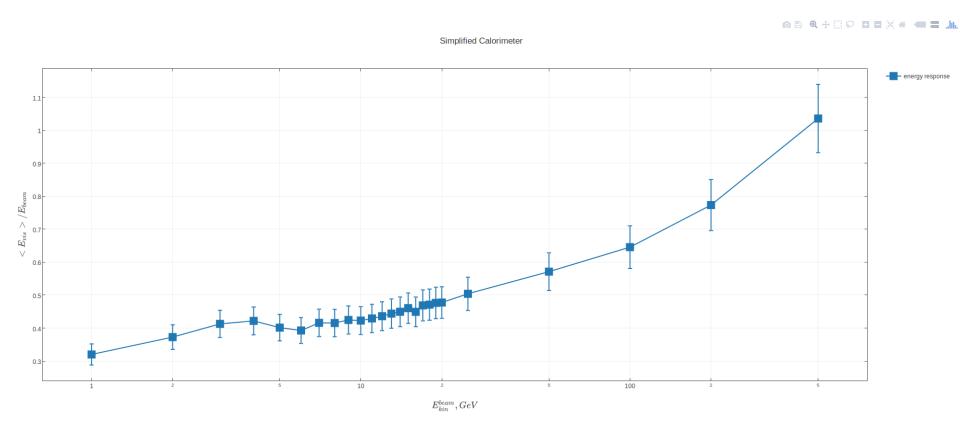
Allows to display latex style formulas and text:

https://www.mathjax_org/





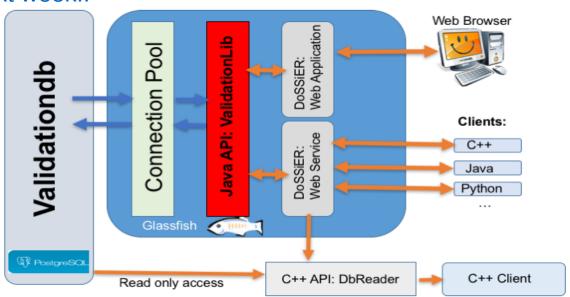
Geant4 test data Simplified Calo in DoSSiER





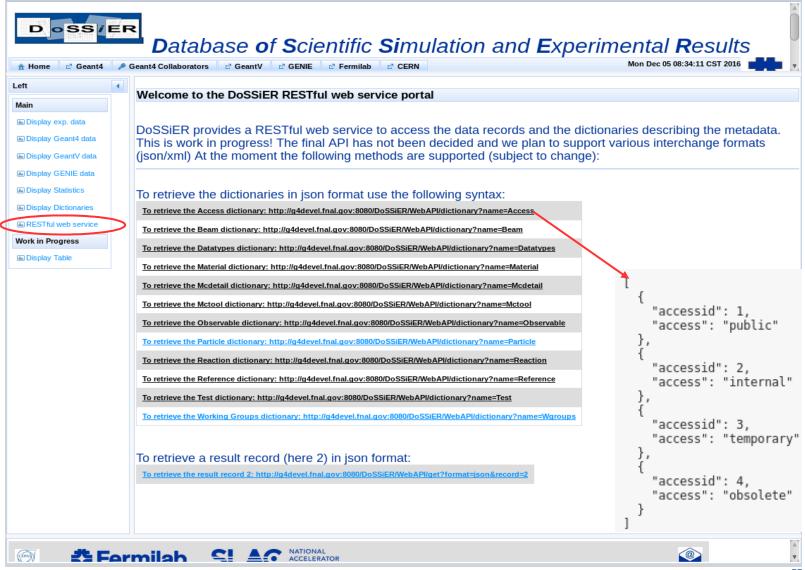
Web Service and Web Application

- RESTful Webservice which allow programmatic access and web application are now combined → simplifies maintenance.
- API still needs to be finalized. (see next slide)
- Need features like
 - Search, access by keywords ...
 - Allow for programmatic upload by authenticated users → allow for scripting and automating the upload.
- The separate web-service DoSSiER_WS will be taken offline by the end of next week!!





Web Service and Web Application



Plans

- Clean up and optimize(speed up) the Java API, optimize server configuration.
- Display data in table form export to different formats → excel, xml,json..)
- Overlay experimental and test data, combine data from different experiments.
- Improve navigation, add searches, selection by keywords etc.
- Work with developers to add more data.
- Define the web service API.
- Replace google chart with plotly.js



API (searches)

http://g4devel.fnal.gov:8080/DoSSiER/WebAPI/test/find/?responsible=Yarba?wg=hadronic

Other keywords: wg,keyword,name....

http://g4devel.fnal.gov:8080/DoSSiER/WebAPI/result?beam=nimrod

Other keywords: beam, target,....

