

Geant4 Documentation and User Support

Geant4 Users Workshop
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Gunter Folger (CERN)

What's Available ?

- Toolkit Documentation Manuals
- Online User Forum
- Problem Reporting System
- User Requirements Tracker
- Sample Physics Lists
- LXR Source Code Browser
- Training Materials
- Examples
- Gallery
- Contacts

Toolkit Documentation Manuals(1)

- Geant4 homepage: <http://cern.ch/geant4>
click on **Documentation**
- All documents available in html, pdf, ps and ps.gz
- **Introduction to Geant4**
 - overview of Geant4
 - link to FAQ
- **Installation Guide**
 - How to set up the toolkit on your computer

Toolkit Documentation Manuals(2)

- **Application Developers Guide**
 - How to set up and run a simulation application
 - Describe the most useful tools
 - Introduce new users to toolkit
- **Physics Reference Manual**
 - Reference describing physics behind the tools
 - Theories, models, parameterizations

Toolkit Documentation Manuals(3)

- **Toolkit Developers Guide**
 - Description of OO design of toolkit
 - For advanced users wanting to extend Geant4 functionality
- **Software Reference Manual**
 - Detailed description of all toolkit classes and their public methods
 - Currently only html version available

Online User Forum

- Click on **User Forum**, top of Geant4 homepage
- 20 forums roughly based on categories
- New forums may be requested by members
- To join, click **membership** on Forum main page
- Once joined, go to **Central HyperNews** Subscription Page and select forums

Problem Reporting

- Click on **Problem Reporting**, bottom of Geant4 homepage
- **Known problems**
 - Before reporting a problem, check here first and search
 - Existing problems organized by release, category, status, platform, etc
- **Problem Report**
 - Need a password to file report
 - Fill out form

User Requirements Tracking

- Click on **Support**, then **User Requirements**
- **Query** existing requirements
 - Before submitting new requirement, check here first
- **Input** (submit) new requirement

Sample Physics Lists

- Click on **Support**, then **Physics Lists**
- Starting point for hadronic physics list for most applications, like
 - Calorimeter, shielding, medical, etc.
- More in hadronic sessions

Training Materials

- Click **Support**, then **Training Material**
- One-day course
 - Introduction and overview of Geant4
- Tutorial or school course
 - More detailed course with exercises
- Academic course
 - Designed as university style lecture
- Lectures at previous schools

LXR Source Code Browser

- Click **Support**, then **LXR Source Code Browser**
- LXR source code browsing tool
- Declarations, etc. are hyperlinks to files containing the relevant definition

Results, Publications, Gallery

- Click on **Results & Presentations**
- Geant4 papers
- Conference contributions
- Gallery of results – mostly EM