Geant4 Documentation and User Support

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Geant4 Tutorial

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What's Available ?

- Toolkit Documentation Manuals

- Training Materials

- Code Browsers

- Online User Forum

- Problem Reporting System

- Geant4-related Web Sites

What's New ?

- New web page!
  - transition from old to new happening now
  - expanded, more modern, cleaner design
  - new area for applications (medical, space, HEP)
  - new area for validation and results
- Process/Model catalog
  - will list available physics processes, models and how they should be used

User Documents (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
    - where to get code
    - how to set up the toolkit on your computer

User Documents (2)

- Application Developers Guide
  - How to set up and run a simulation application
  - Describes the most useful tools
  - Introduces new users to toolkit

- Physics Reference Manual
  - Reference describing physics behind the tools
  - Theories, models, parameterizations

User Documents (3)

- **Toolkit Developers Guide**
  - Description of OO design of toolkit
  - For advanced users wanting to extend Geant4 functionality
  - Currently being upgraded (but still available)

- **Software Reference Manual**
  - Detailed description of all toolkit classes and their public methods
  - Currently only html version available

Training Materials

- Click Support, then Training Material
- One-day course
  - Introduction and overview of Geant4

- Tutorial or school course
  - Exercises: Geant4 & JAS
  - Detector Description School Course

- Academic course
  - Lectures on Geant4 Physics
- Lectures from Users' Workshops

Code Browsers

- LXR : click Support, then LXR Source Code Browser
  - Search entire source tree
  - Filename, text, identifier search

- Alternate source tree browser : from main page (under Useful information for users), click Source code, then at the bottom click on browse

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

Geant4-related Websites
(bottom of main page)

- BaBar
- DESIRE
- ESA
- GUI and Environments
- IN2P3
- INFN
- Japan Users Group

- KEK
- Kyoto Ritsumeikan U.
- QinetiQ Space Department
- SLAC
- Space Users Page
- Technology Transfer
- TRIUMF