

Collaboration-wide Efforts

Ferrara Geant4 Collaboration Meeting
September 2016
Closing Session

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Migration of Web Site to Drupal

- Effort to improve Geant4 web site
 - with modern tools
- Effort is essentially on Gunter's shoulders !
- Migration of web-based Geant4 tools done:
 - Critical tag DB web interface is in production since several months

Tags Taglists Development lines									
Query Refresh Print									
X	Date	Author	Path	Tag name	Bugfix	Status	Description	Sentence	Development lines (Tag lists)
<input type="checkbox"/>	2016-05-24 15:22:40	pandola	geant4/ source/ processes/ electromagnetic/ lowenergy	emlowen-V10-02-06	No	Proposed	Fix compiler warning on gcc-6. [...]	-	+
<input type="checkbox"/>	2016-05-24 14:01:11	japost	geant4/ source/ geometry/ magneticfield	field-V10-02-06	No	Rejected	Changed default stepper in Cho [...]	Failing compila [...]	+
<input type="checkbox"/>	2016-05-24 10:44:39	mnovak	geant4/ source/ physics_lists/ constructors/ electromagnetic	phys-ctor-em-V10-02-16	No	Proposed	GS step limit back to opt0	-	+
<input type="checkbox"/>	2016-05-24 10:35:07	gcosmo	geant4/ source/ geometry/ solids/ specific	geom-specific-V10-02-11	Yes	Proposed	Correction in G4UExtrudedSolid [...]	-	+
<input type="checkbox"/>	2016-05-24 09:13:16	ihrvnac	geant4/ examples/ basic/ B3	exampleB3-V10-02-01	No	Proposed	Fixed compiler warning introdu [...]	-	+
<input type="checkbox"/>	2016-05-23 20:38:49	japost	geant4/ source/ geometry/ magneticfield	field-V10-02-05	No	Rejected	Made DormandPrince745 the defa [...]	Several failure [...]	+
<input type="checkbox"/>	2016-05-23 19:38:17	vnivanch	geant4/ source/ processes/ hadronic/ models/ de_excitation	hadr-deex-V10-02-26	No	Rejected	cleanup FBU, MF, CoulombBarrie [...]	-	+
<input type="checkbox"/>	2016-05-23 16:54:55	vnivanch	geant4/ source/ processes/ electromagnetic/ standard	emstand-V10-02-17	No	Postponed	modification of urban msc disp [...]	-	+
<input type="checkbox"/>	2016-05-23 12:25:30	gcosmo	geant4/ examples/ advanced/ human_phantom	human_phantom-V10-02-01	No	Accepted	More compilation warnings in g [...]	-	geant4-10-02-ref-04: • 4050

- Collaboration agreement tool also done:
 - The one you use at beginning of each year

Migration of Web Site to Drupal

- Migration of the Geant4 web pages under way
 - Applications is done
 - Other pages will come
 - User Support, Publications, Collaborations, etc.
- Prototype version visible at:

<http://new-geant4-dev.web.cern.ch>

The screenshot shows the Geant4 website interface. At the top left is the 'Geant 4' logo. To the right is a 'Collaborator Login' button and a menu with 'Download', 'User Forum', 'Gallery', and 'Contact Us'. Below the logo is a navigation bar with 'Home', 'Applications', 'Support', and 'Collaboration' tabs. The main content area is divided into several sections:

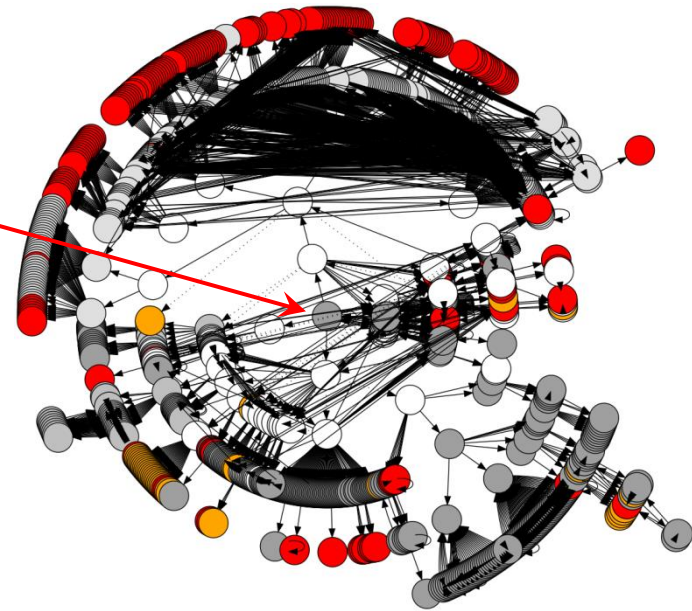
- Overview:** A paragraph describing Geant4 as a simulation toolkit for particle passage, with references to Nuclear Instruments and Methods in Physics Research A 606 (2003) 250-303 and IEEE Transactions on Nuclear Science 53 No. 1 (2006) 270-278.
- Applications:** A box with an image of a satellite and text: 'A sampling of applications, technology transfer and other uses of Geant4.'
- User Support:** A box with an image of a globe and text: 'Getting started, guides and information for users and developers.'
- Publications:** A box with an image of a detector and text: 'Validation of Geant4, results from experiments and publications.'
- Collaboration:** A box with an image of a group of people and text: 'Who we are: collaborating institutions, members, organization and legal information.'
- News:** Two news items:
 - Geant4 10.2 Patch-02:** Submitted by Gunter Folger on Wed, 09/07/2016 - 17:52. Patch-02 to release 10.2 is available fr.
 - Geant4 10.3 Beta:** Submitted by Gunter Folger on Tue, 09/06/2016 - 18:40. Release 10.3 BETA is available from the Beta download area.
- Events:** Two event listings:
 - 21st Geant4 Collaboration Meeting, Ferrara (Italy), 12-16 September 2016.
 - 4th International Geant4 School, Belgrade (Serbia), 23-28 October 2016.

Migration of Web Site to Drupal

- Migration is done semi-automatically
 - And provides “for free” nice analysis of web site
 - Showing relations between pages...

We are here...

Please ask Gunter for
any deconvolution ;)

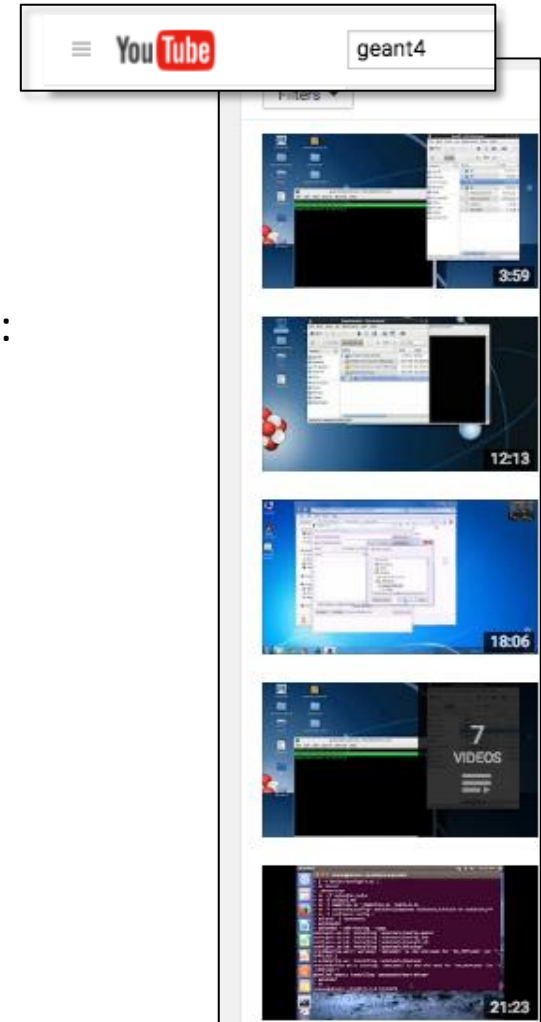


- Some contents are obsolete, etc.

- Your help is needed:
 - Updating / maintenance / improvements of contents require all collaborators help !
 - So please review your favorite pages
 - In close contact with Gunter and Alex !

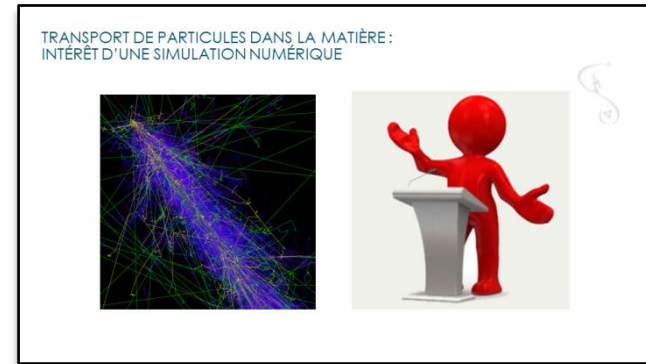
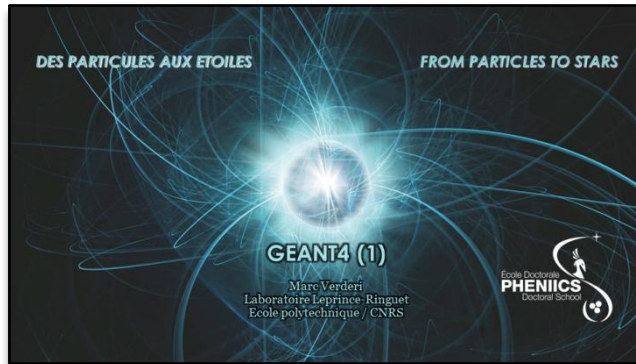
Geant4 Videos

- Laurent Garnier had underlined that quite Geant4 videos exist on Youtube
 - Made or uploaded by people out of Geant4 Collaboration
 - Not bad thing in itself
- But might be desirable to have “G4-blessed” videos
 - Having a “Geant4” Youtube account.
 - And Laurent demonstrated G4 videos are attractive
- Discussion underlined the interest for two types of videos:
 - Advertisement :
 - With illustrative movies for shower dev., or from applications, etc.
 - Education : with the basic and/or key concepts
 - These are essentially stable concepts
 - Track, step, material, logical/physical volume, sensitivity, touchable, etc.
 - Hence no need for frequent updates.
- Collecting existing videos will help
 - Please advertise videos !
- But will likely not be enough
 - Production of Geant4-made videos seems needed
 - This is work !
 - Effort that will need to be organized !
 - Your help will be needed ! Please contact Laurent !



Ex: MOOC on G4 for PHENIICS School

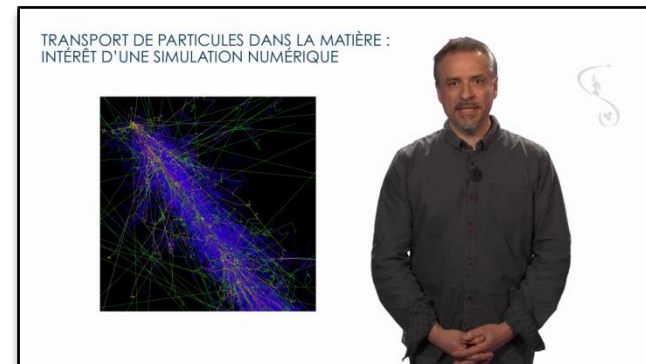
- Prepare text for 7' long movies = 7000 characters / movie
- Prepare slides...



- ... go to the "studio" @ Ecole polytechnique...



- ... and get encapsulated by post-production



- ((un)fortunately ;)) I'm not allowed to make these videos publicly available

Documentation

- Hard to find an argument which has not been made already to motivate keeping documentation
 - up-to-date,
 - accurate,
 - easy readable,
 - expert de-focused / expert de-jargonised,
 - user-naïve to user-advanced adapted,
 - ...
- But please keep in mind to keep documentation
 - up-to-date,
 - accurate,
 - easy readable,
 - expert de-focused / expert de-jargonised,
 - user-naïve to user-advanced adapted,
 - ...
- Alex (documentation coordinator) is taking over Mike's effort in making easier the updating of the documentation
 - Review of the existing tools under way
 - Adoption of more modern ones considered
 - ...
- But Alex “can only” gather and review the documentation **you** provide !
 - So, please help with this !

