

Contracts Final Presentation 19-20 Feb. 2004

1. Title of the presentation

Geant4 Analysis and Statistical Test

2. Speaker

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3. Abstract

In the context of the SEPTIMESS activity, the project carried on in collaboration by INFN Genova and CERN groups will be presented. It includes two main subprojects: the development of tools for the test and validation of Geant4 physics according to rigorous, advanced statistical algorithms of Goodness of Fit, and the requirements specification, traceability and documentation through an advanced example of the usage of analysis in a Geant4-based simulation application.

An overview of the tools developed and of their application results to Geant4 physics will be illustrated.