Introduction to the 63rd Geant4 Technical Forum

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CERN, 12 December 2024

Presentations by Geant4 developers

- Today's Technical Forum is dedicated to present and discuss the content of the last Geant4 release, 11.3, released on December 6th

- Presentations will cover:

    - Kernel, non-physics part (Gabriele Cosmo)

    - Electromagnetic physics (Vladimir Ivanchenko)

    - Hadronic physics (Alberto Ribon)

    - Update on the R&D activities (Witold Pokorski)

Presentations by Geant4 users

- The second part of this meeting is dedicated to presentations by users:

  - Some exclusive hadronic processes in G4 and their importance for the NA64 experiment (Mikhail Kirsanov)

  - CMS update (Sunanda Banerjee, Vladimir Ivanchenko)

  - Antiproton simulation with Geant4 (Xiaorong Zhou)

  - ATLAS update (Mustafa Schmidt)

  - G4PPYY, Automated Python Bindings for Geant4 (Patrick Stowell)

Next relevant meetings

- Geant4 delta-assessment of the R&D projects AdePT and Celeritas
  - 26/27 March 2025, two afternoons
  - Updated assessment after the one of December 2023
  - Offloading the simulation of EM showers on GPUs
- Next Geant4 Technical Forum
  - Presentation of the program of work for 2025
  - Expected between the second half of March and the first half of April