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## The Geant4 Virtual Monte Carlo

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The Virtual Monte Carlo (VMC) provides the abstract interface into the Monte Carlo transport codes: Geant3, Geant4 and Fluka. The user VMC based application, independent from the specific Monte Carlo codes, can be then run with all three simulation programs. The VMC has been developed by the ALICE Offline Project and since then it draw attention in more experimental frameworks.

Since its first release in 2002, the implementation of the VMC for Geant4 (Geant4 VMC) is in continuous maintenance and development, mostly driven by the requirements from new, non ALICE, users. In this presentation we will give an overview and the present status of this interface. We will report on new features, such as support for user defined Geant4 classes (the physics list, detector construction class) or support for Root TGeo geometry definition and G4Root navigation. We will also discuss the aspects specific to Geant4 and make a reflection about the strong and weak points of the VMC approach.

## Summary

We will give an overview and the present status of the Geant4 VMC interface.

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