



Contribution ID: 2

Type: **Open talk - 30min**

Geant4.jl: Particle Transportation in Julia

Thursday 9 November 2023 11:20 (35 minutes)

In this contribution I will be presenting the status of the Julia wrappers to the Geant4 simulation toolkit (<https://github.com/JuliaHEP/Geant4.jl>). The main emphasis will be the new ergonomics that Julia offers to particle transport toolkit, which is used basically by each HEP experiment, as well as in medical and space science. This enhanced toolkit usability is a great advantage compared with the C++ interface that sporadic users would need to use in order to perform their custom simulations.

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