

LSCAT-GISMO - an object-oriented Framework for Particle Simulation

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LSCAT-GISMO is an easy-to-use and powerful framework for particle simulation written in C++. It supports the user in setting up his own experimental environment by providing classes for particle sources, geometries, interactions and graphical visualizations.

The object-oriented approach and the open design of LSCAT-GISMO makes it flexible and easy to extend. For example classes for hadronic interactions (Gheisha) as well as electromagnetic interactions (EGS4 and LSCAT) are available. Furthermore it is also possible to extend LSCAT-GISMO fulfilling additional physical needs.

We want to give a short overview of the physical background of LSCAT-GISMO, present its features and explain the concept by showing its class dependencies.

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