

Simulation and Reconstruction Frameworks for the ILC

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Software plays an important role in the optimisation and design of detectors for the ILC. Over the past years, a first version of a coherent software system has been developed within the ILC community. It is based on a common data format, LCIO, and on the definition of interfaces between different parts of the simulation and reconstruction chain. Particular emphasis is put on a highly modular structure, which ensures that the system is open for future developments and can evolve with time. The current implementation of this system is based on C++, but the modular structure in principle allows the use of other languages like Fortran or Java or others. In this talk the state of the software structures and the strategy for further evolution is discussed.

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