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## The LDC Software Framework for the ILC detector

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The International Linear Collider is the next large accelerator project in High Energy Physics. The Large Detector Concept (LDC) study is one of four international working groups that are developing a detector concept for the ILC. The LDC uses a modular C++ application framework (Marlin) that is based on the international data format LCIO. It allows the distributed development of reconstruction and analysis software. The framework is mainly used for optimizing the physics performance of the planned detector based on the Particle Flow paradigm. It recently has been adapted to also be applied in various detector prototype test beam studies within the EUDET project. In this talk we give an overview of the core framework where the focus will be on recent developments and improvements since it has been first presented at CHEP2006.

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