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Integrating iLCSoft into Key4hep

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To ensure the backward compatibility between iLCSoft and Key4hep and to ease the validation of the iLCSoft processors, k4MarlinWrapper provides the necessary tools to run Marlin processors using the Gaudi framework, allowing for a smooth transition from current battle-tested particle reconstruction frameworks, to a common framework for future experiments like CLIC or FCC. It creates a wrapper that interfaces between the data formats and components of Marlin and Gaudi. It provides converters between the Marlin steering format and the Gaudi options file, translating special cases that can be found in the former. k4MarlinWrapper supports different event data formats by providing in-memory converters that can be configured to create a sequence of algorithms that mix different event data formats. It benefits from using synergies between other projects from Key4hep, to reuse and leverage the utilities from these.

Time Zone

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