Lamarr + Key4Hep

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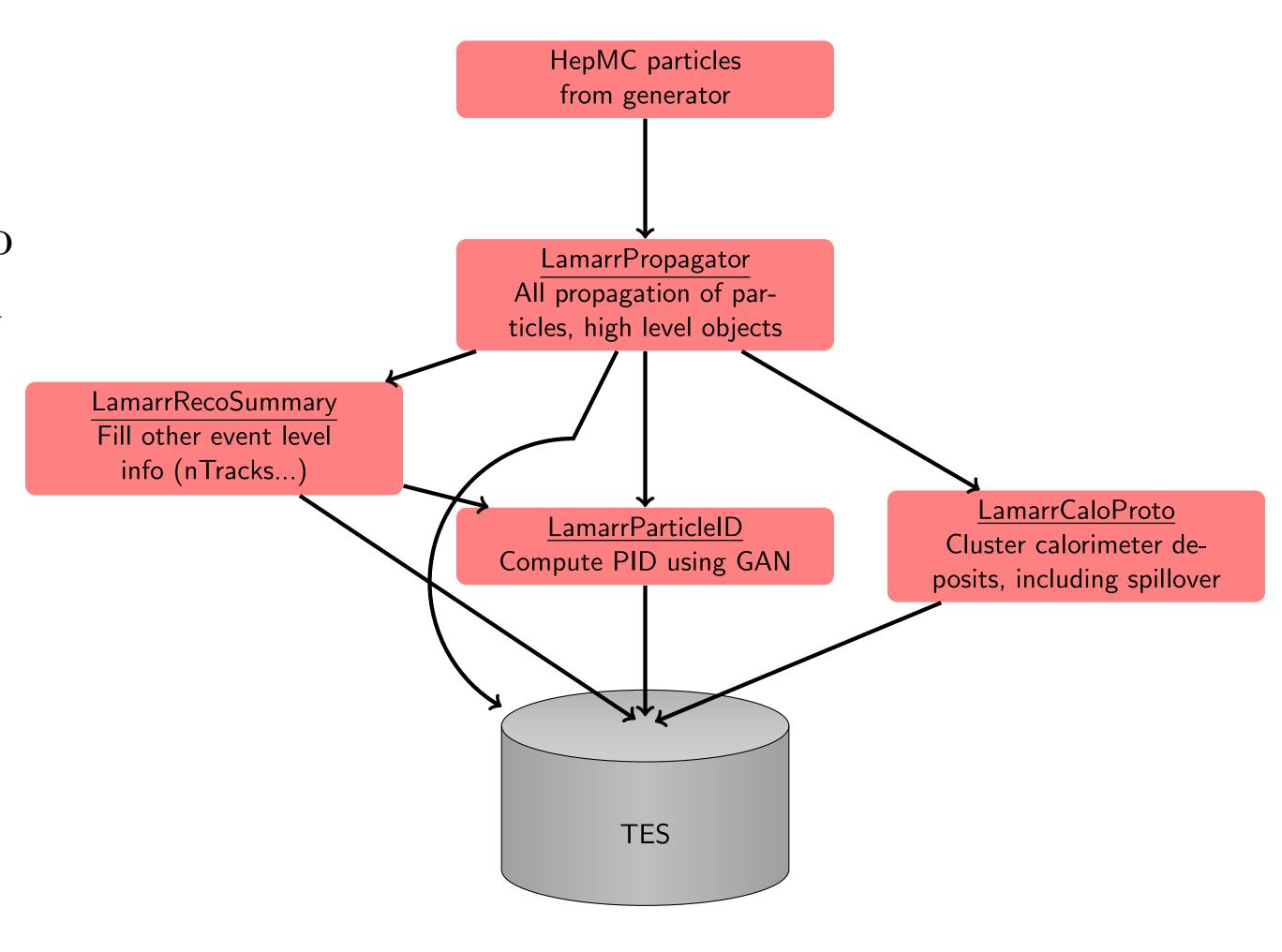
+ Lamarr Core Developers (L. Anderlini, M. Barbetti, B. Siddi, Z. Xu) On behalf of LHCb Simulation Project 21 June, 2022



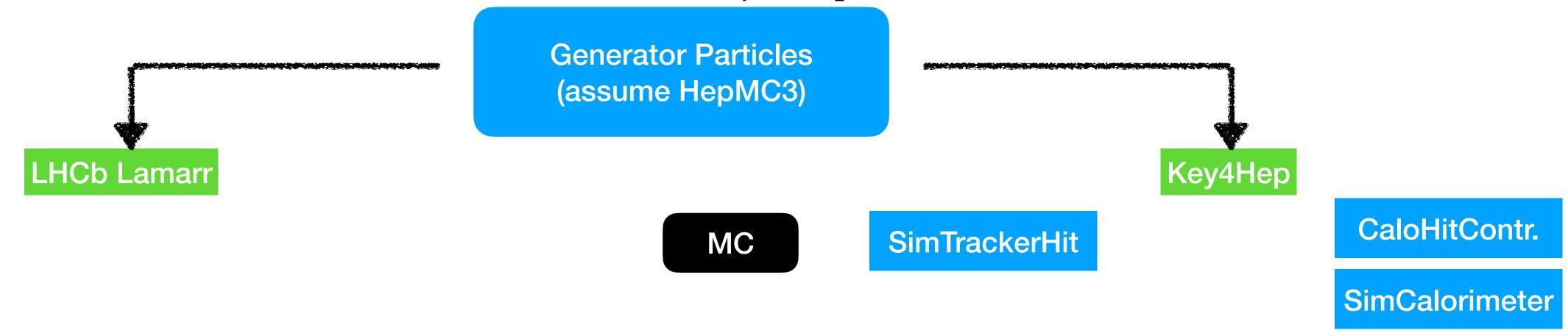


CHEP 2019 (AD)

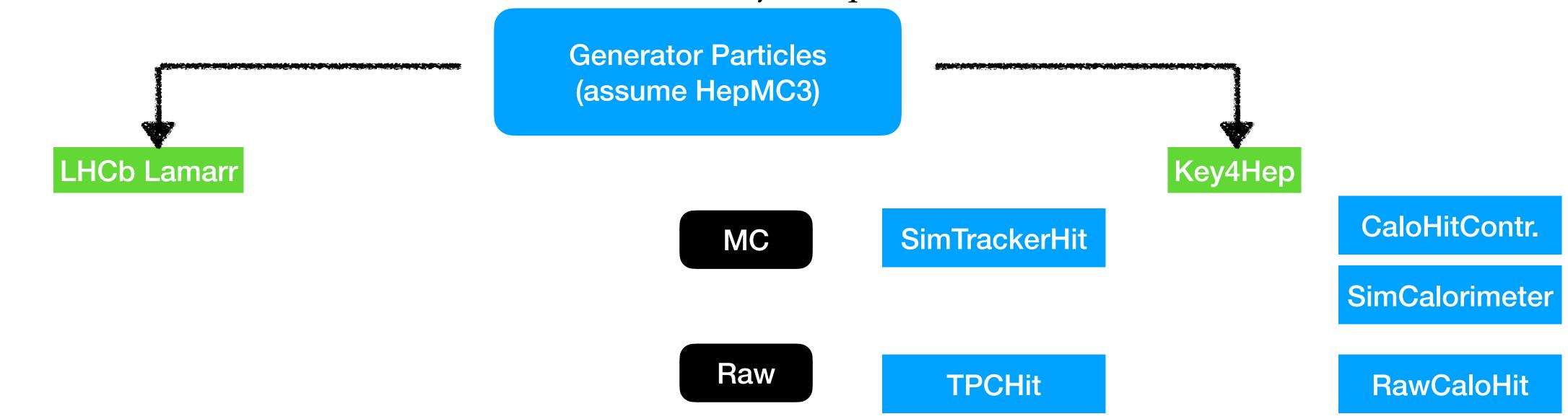
- Goal: Take generator level particles and apply ML techniques or parameterizations to form reconstructed objects which are written to Transient Event Store (TES)
- Fully incorporated within Gauss since 2018, active development ongoing
- Generator independent



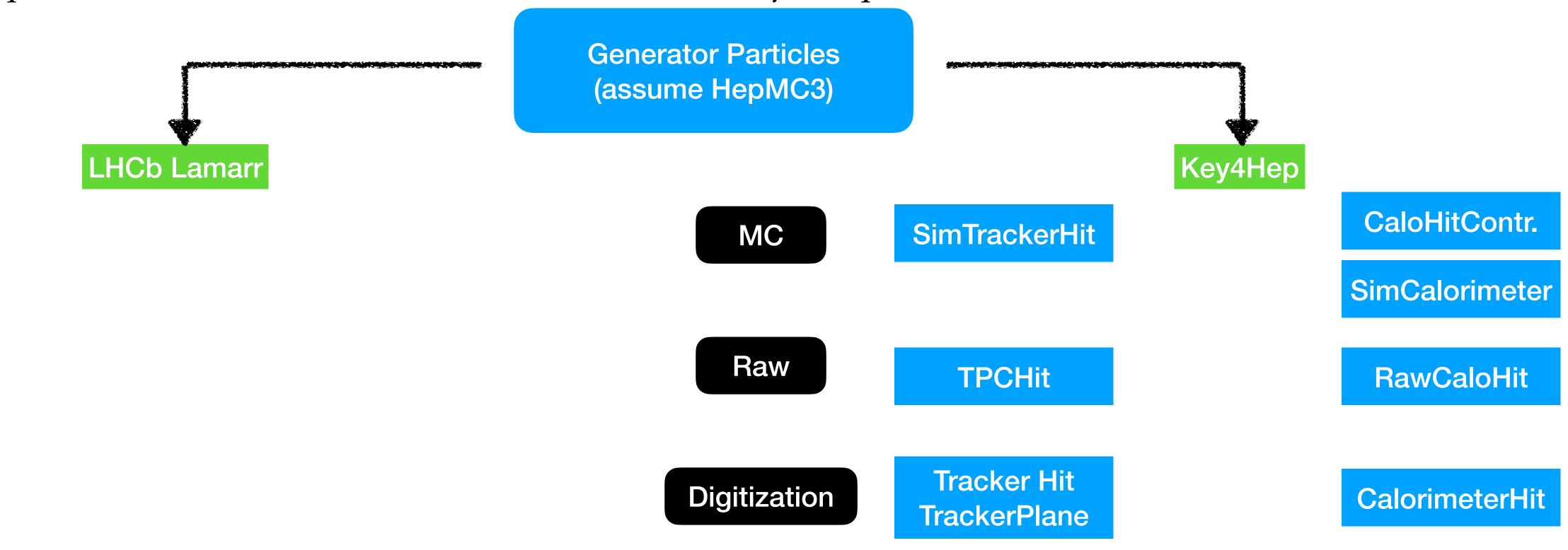
Taken from **EDM4Hep site**



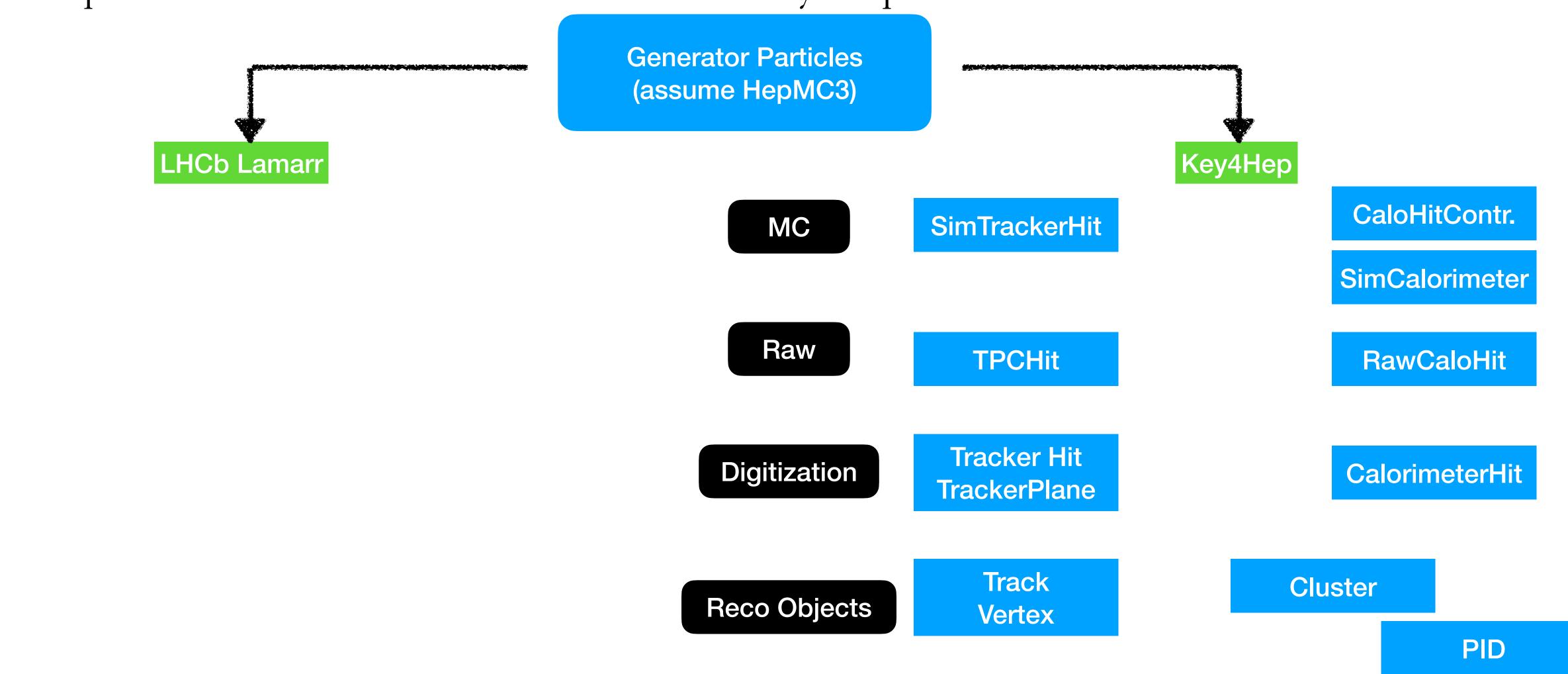
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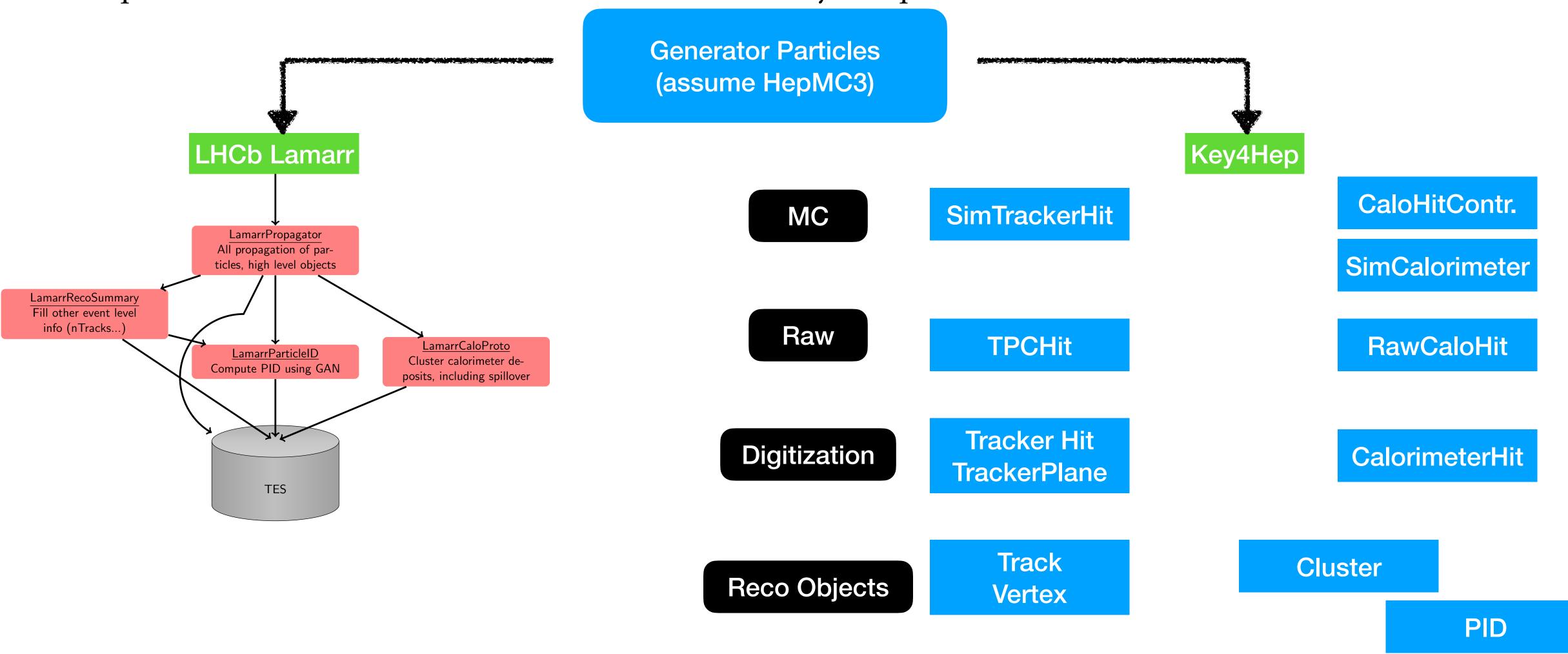
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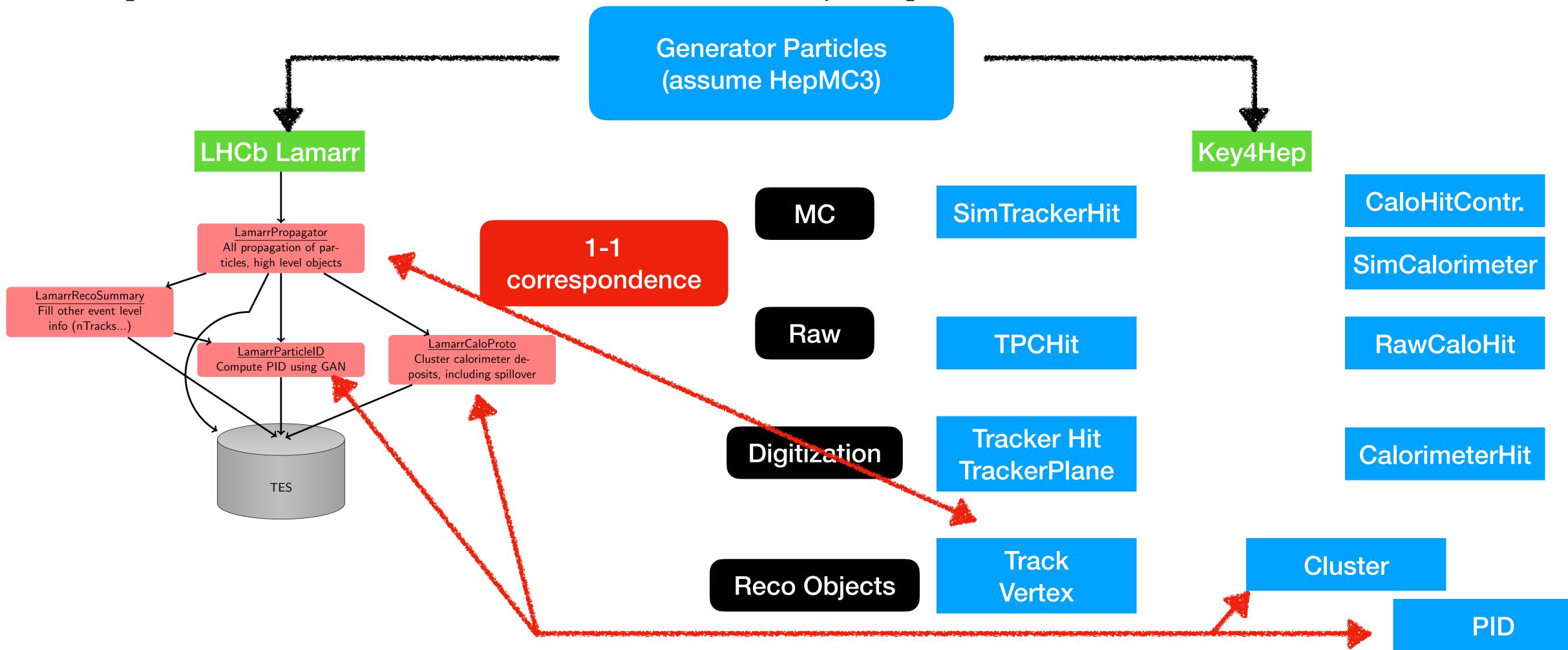
Taken from **EDM4Hep site**



Taken from EDM4Hep site



Taken from EDM4Hep site



Overview of aims

- To make Lamarr experiment independent, need
 - Gaudi::Functional implementation (half way there)
 - Import Gaudi::Functional version into Gauss-on-Gaussino and build
 - Check EDM4Hep in G-on-G
 - Think about Lamarr operator()() implementations
- We've already been working on the first point in the background

Backup