

Digitizer

Digi and DigiCollection

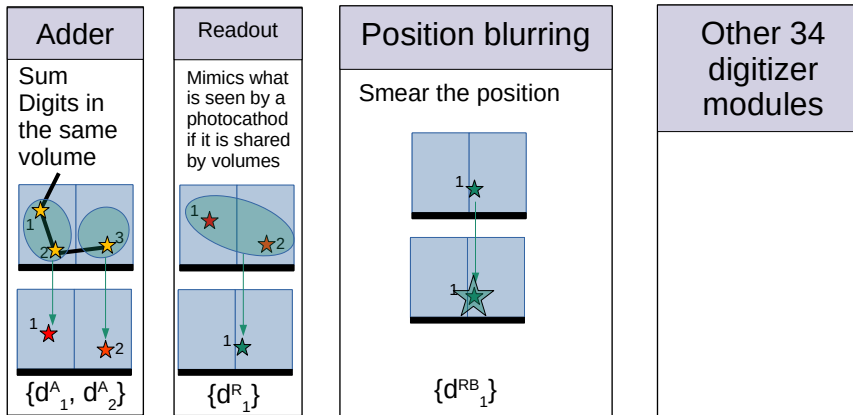
G4VDigi and G4TDigiCollection
Hits and HitsCollection are transformed to *Digi* and *DigiCollection* in order to transform, to operate and to save them

Digitizer Modules

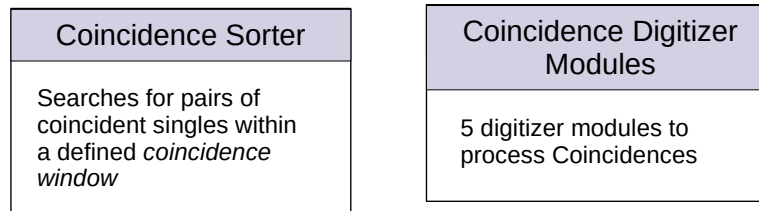
G4VDigitizerModule

Part of Digitizer constructing Singles

36 digitizer modules to create Singles



Part of Digitizer constructing Coincidences



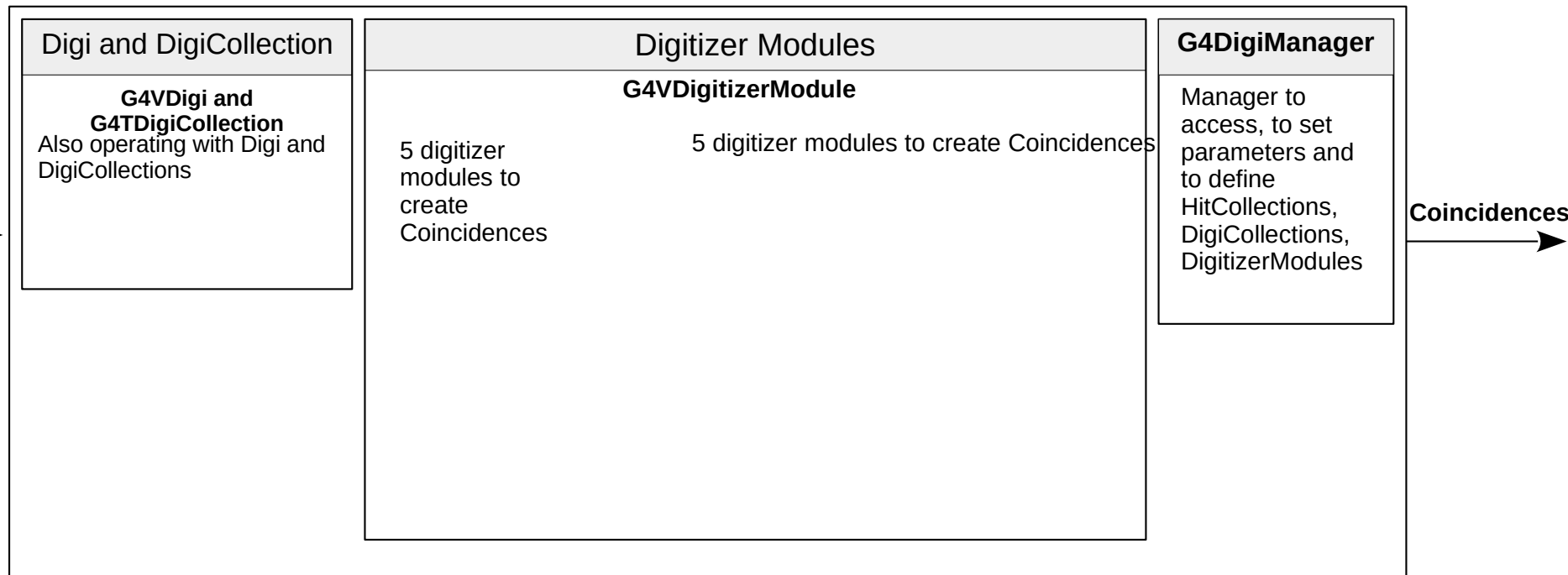
G4DigiManager

Manager to access, to set parameters and to define HitCollections, DigiCollections, DigitizerModules

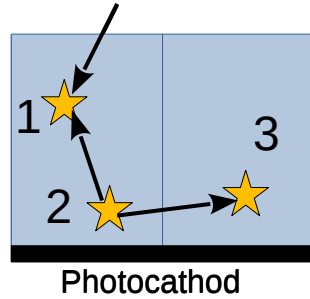
Singles

Coincidences

Part of Digitizer constructing Coincidences



3 hits stored in a HitsCollection



$\{h_1, h_2, h_3\}$

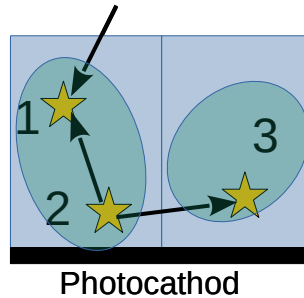
HitConvertor

Hits \rightarrow Pulse
HitsCollection \rightarrow PulseList
if (deposited energy == 0)
remove pulse

$\{p_1, p_2, p_3\}$

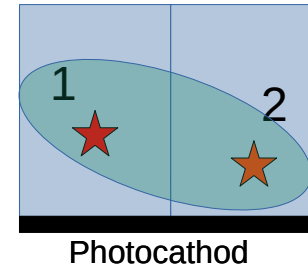
Adder

Sum Pulses in the same
Sensitive Detector
Creates New PulseList



Readout

Mimics what is seen by a
photocathode if it is
shared by several
Sensitive Detectors
Creates New PulseList



Position

Smear the po
Pulse

