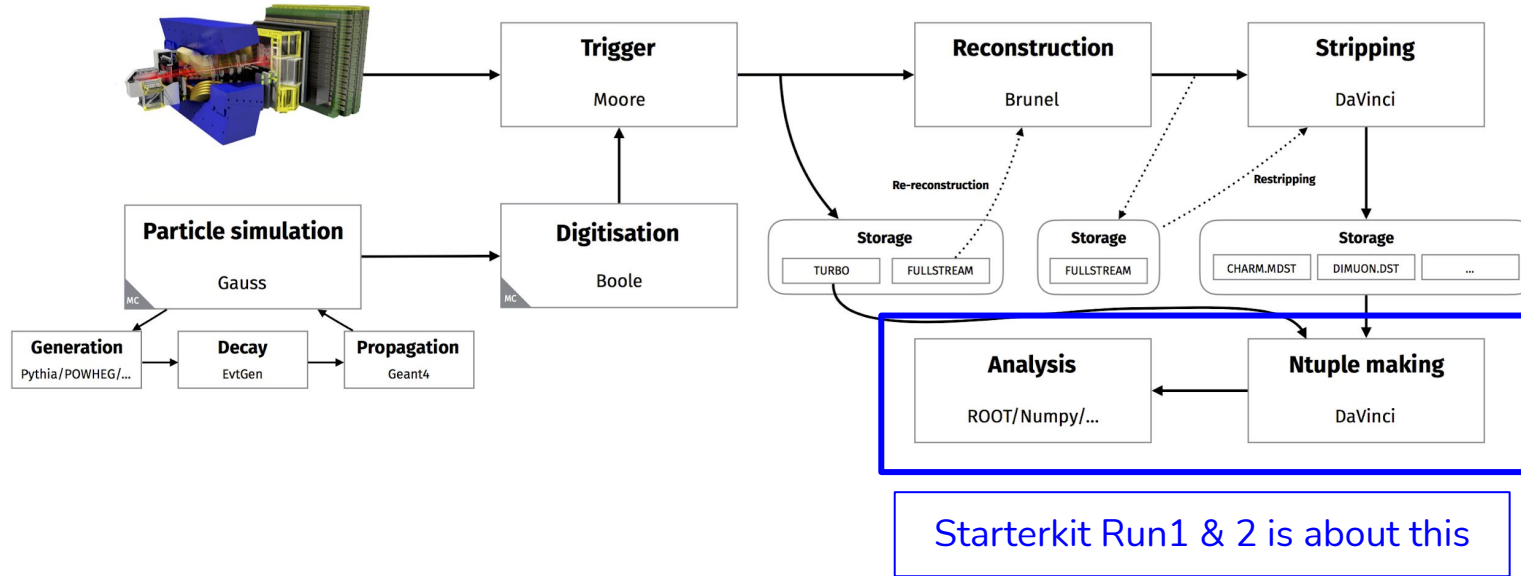


Starterkit Practise session

Author: Vitalii Lisovskyi, the Starterkit enthusiast.



Starterkit Map



Starterkit Map

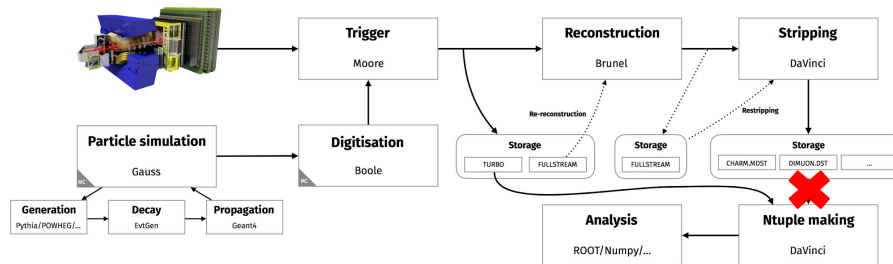
RUN 2 & 1

I have an idea for analysis

I talk to my supervisor.
And check if I have [DecFiles](#) and
[Stripping](#).
If not I contact my liaisons for
instructions.

[Create a gitlab
project](#)

[Find a file for
my analysis](#)



Starterkit Map

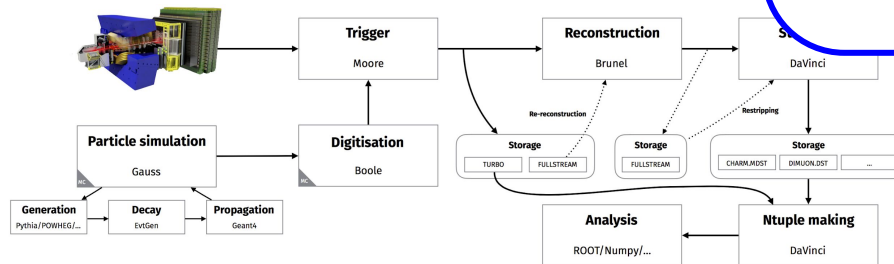
RUN 2 & 1

[Downloading a dst for a local test](#)

[Exploring the DST](#)

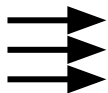
Developing an option file to get the ntuple root file

1. [Defining DaVinci configuration](#)
2. [Adding variables to the tuple](#)
3. [LoKi finctors](#)
4. [Using Decay Tree Fitter](#)



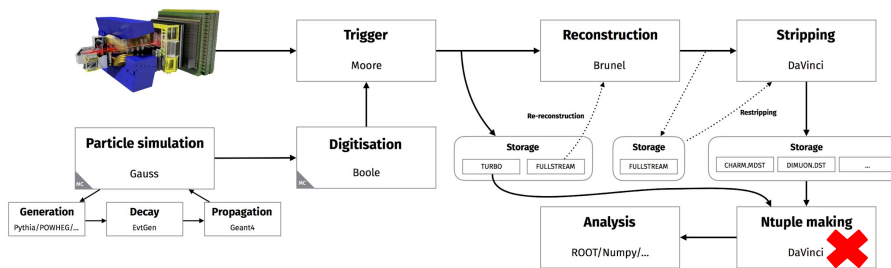
Starterkit Map

RUN 2 & 1



I run my options over all the data:

1. I have standard tools
2. I need to use something non-standard



Starterkit Map

I have an idea for analysis

RUN 3

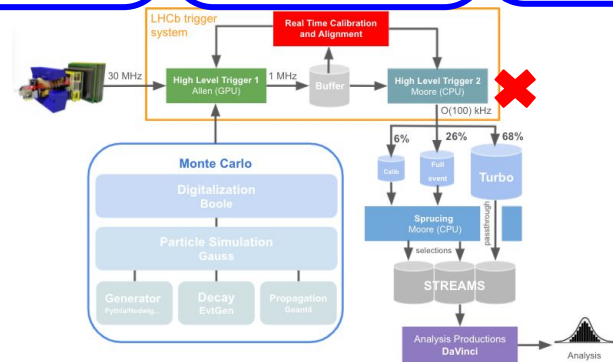
I check whether my ThOr functors are available:
If not, I help developing them. [I look for it here](#)

[I need to install LHCb software aka lhcb-stack to develop](#)

[I want to develop an HLT2 line](#)

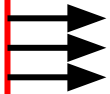
[I want to develop Sprucing](#)

[I need to convert the line to ThOr](#)



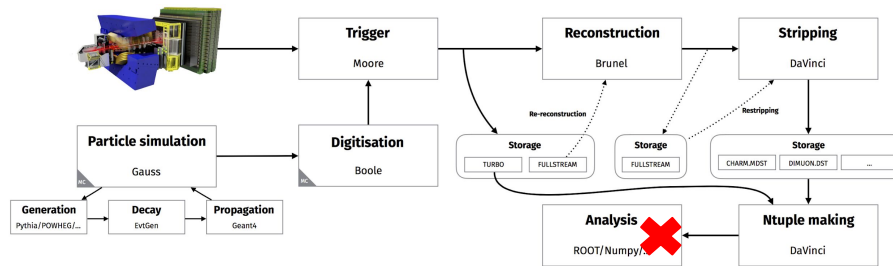
Starterkit Map

I have my data ready



I want to analyse data

I want to automaze my analysis



Goal of the practise session: you figure out what you don't understand and ask questions :)

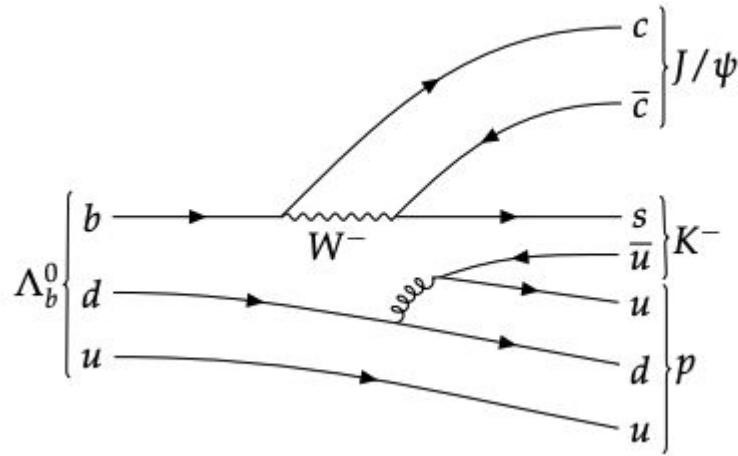
The task: get an ntuple yourself for a specific decay

The organisation: we split you in teams. Ask for help when you are stuck for more than 5 minutes!

And you get as far as you get. It's not a competition.

The proposed decay:

$$\Lambda_b^0 \rightarrow p K J/\psi$$



Using 2016 only

Instructions can be found here: [tasks](#)

Good luck and have fun!

