

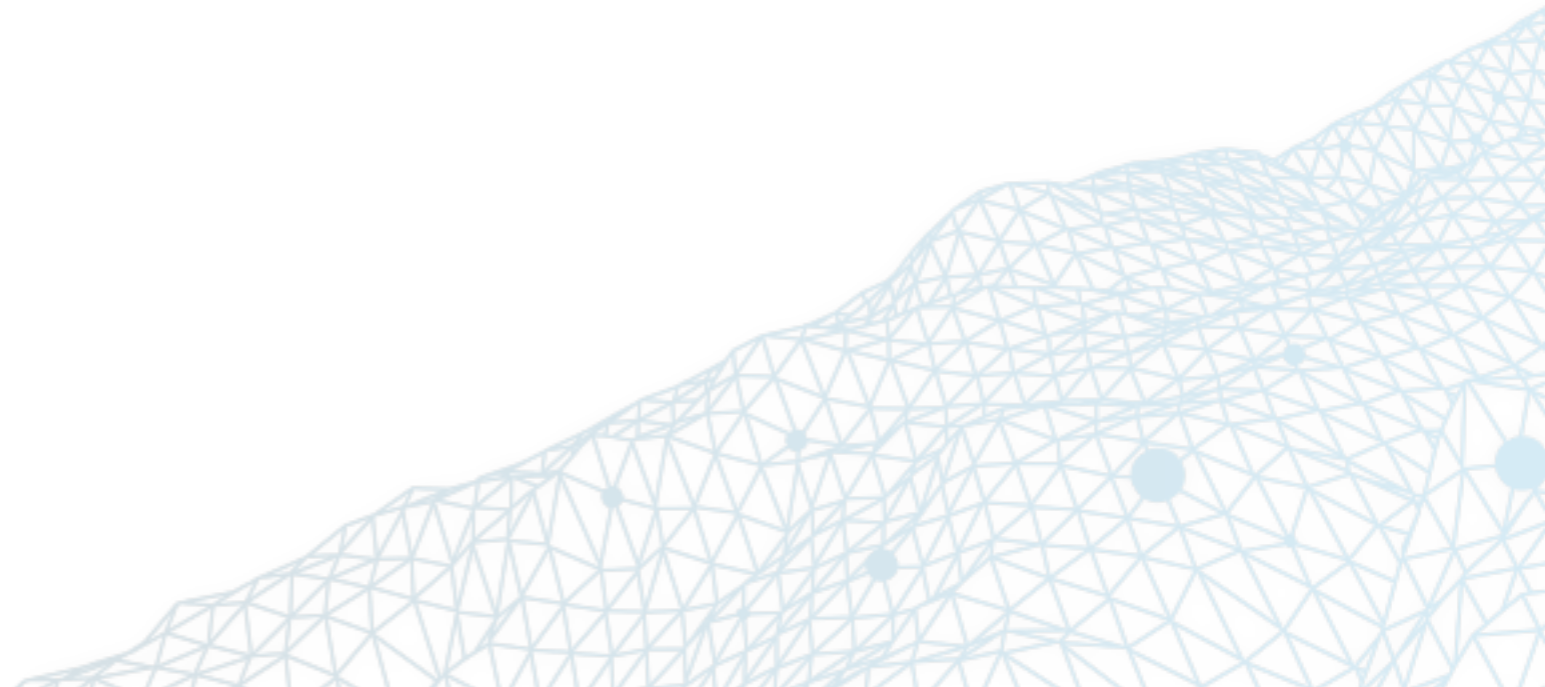
Data Analysis for CLAS12

David Riser

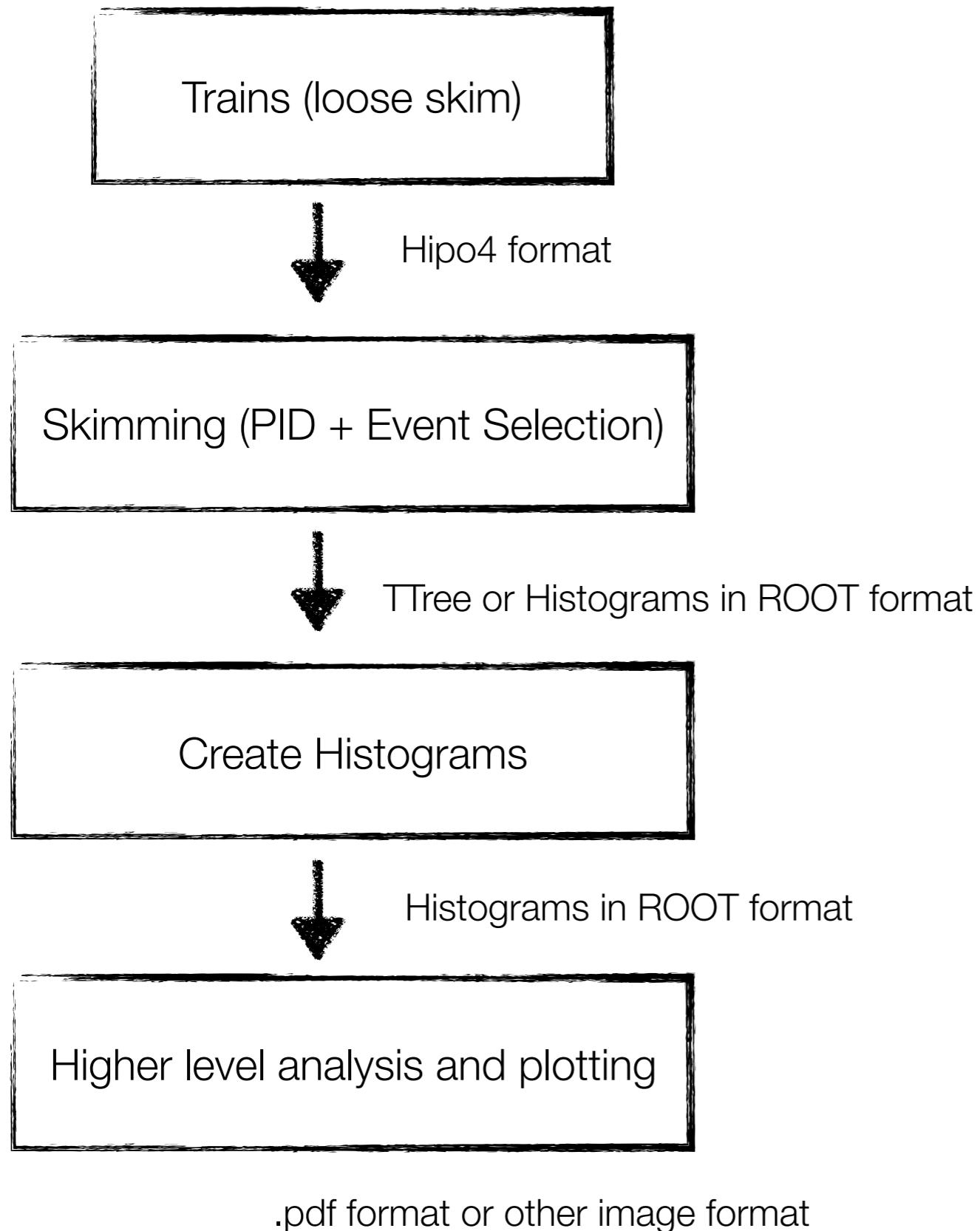
CLAS12 RG-A data

Run Period	Raw (TB)	DSTs (TB)
RG-A (Spring 2018)	1134	108
RG-A (Fall 2018)	956	81
RG-A (Spring 2019)	300	30

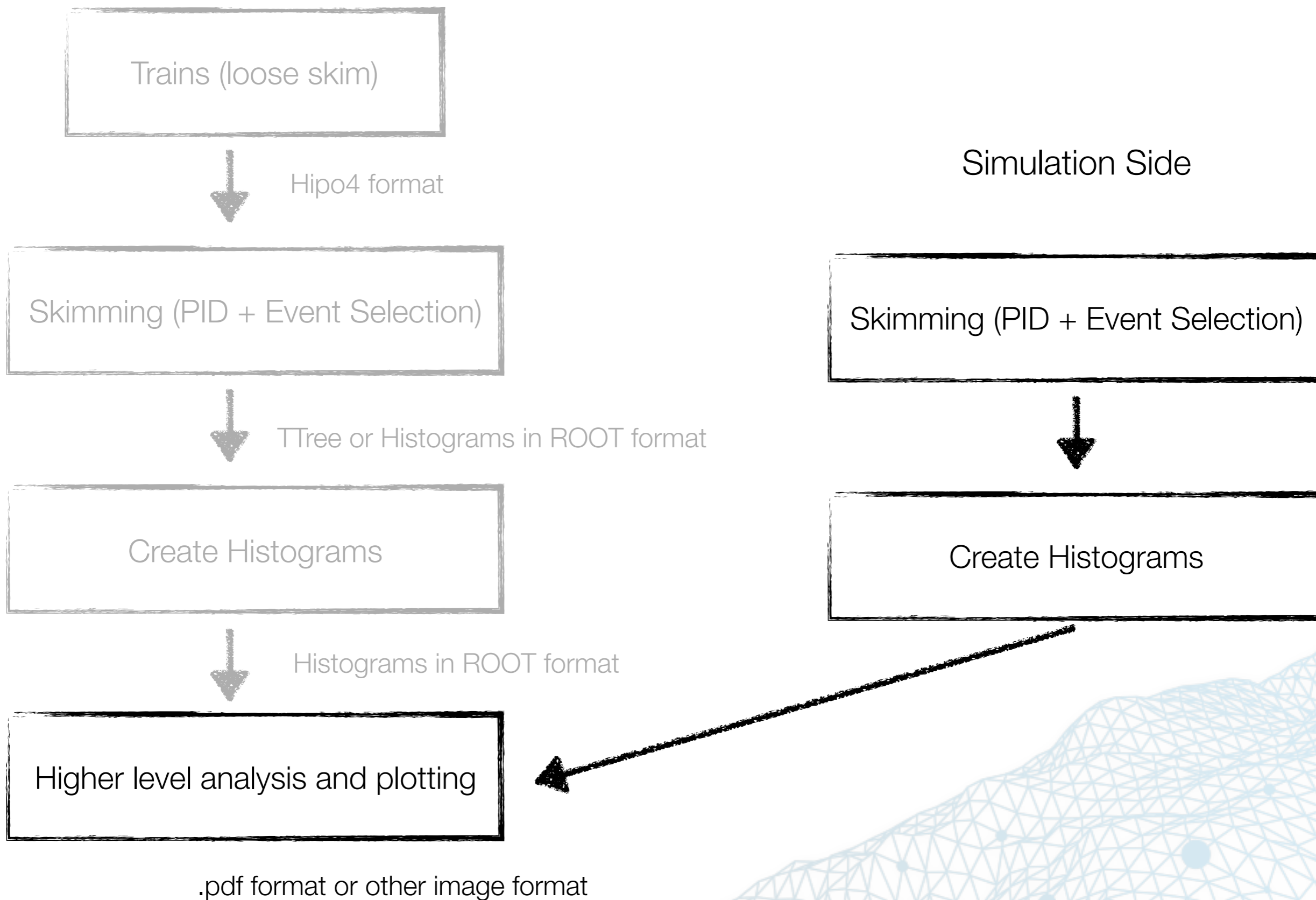
63 runs calibrated in: /work/clas12/rg-a/trains/v16_v2



A typical data analysis pipeline after the trains have been produced includes several stages.



A typical data analysis pipeline after the trains have been produced includes several stages.



Several options exist for analyzing the data in CLAS12, all of them end with ROOT.

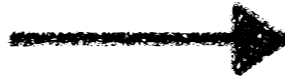


+



- interpreted, good for fast iteration
- Huge number of open source packages
- Interface with ROOT
- Does not support JAVA packages
- Relies on third party software to load hipo files

Several options exist for analyzing the data in CLAS12, all of them end with ROOT.



- interpreted, good for fast iteration
- Can be compiled using groovyc
- Directly supports JAVA packages
- Doesn't interface with ROOT directly, relies on third party converter