

Requirements  
Event Data Model  
Implementation  
Organization & Ranking  
Timescale

## I Requirements

- easy to use for hardware people /  
Newcomers / students
- maintained by "group" of people
- Documentation
- "Fast" → Run on a cluster
- interface to simulation

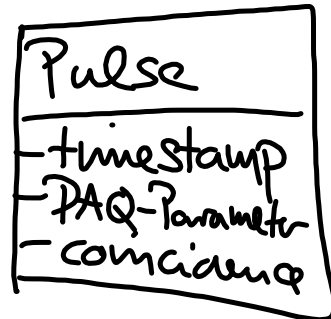
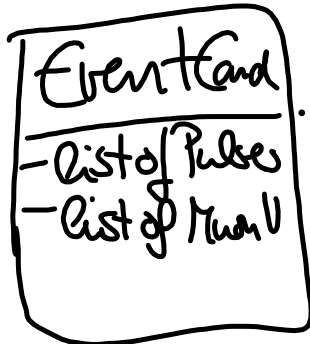
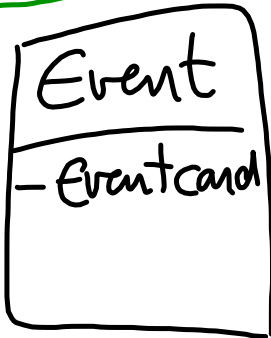
- "one program" for everybody
- main use cases:
  - energy calibration
  - template fit  $\rightarrow$  reconstruction
  - pulse shape parameters  $\uparrow$
- flexible reconstruction  
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## --- Viewing pulses and Parameters

- quality cuts
- "flag" events
- intermediate results should be easily be accessible ; persistence
- Exchange SW parameters → steering file

- group pulses into event
- Output: xy-data set for event calculation
- "from RAW data to AOD"  
(Analysis Object Data)

# I Event Data Model



↓  
Set! + parameters  
Member functions

0	0		
1	0		
2	1		
3	1		
4	1		
5	1		
6	1		
7	1		

Pulse Param  
Pulse



Time STAMP	
Phonon	Light
Pulse	
⋮	

mt  $\rightarrow$  Dron (T: S: (Phonon. PH))

EC  
PH  
E#