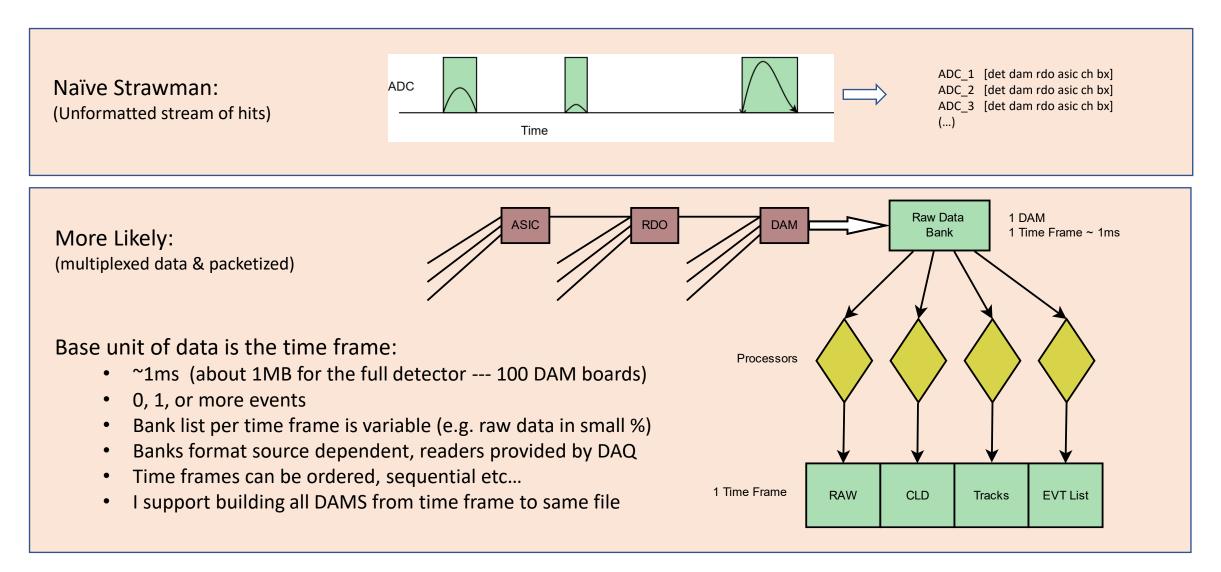
What do I mean by streaming? (My views)

- Streaming is a tool, not an end
- No hardware trigger
- No deadtime in standard operation
- Hardware components are independent from one another

Data Interface Examples...



DAQ Software Tasks and Priorities

Need from S&C	Need to negotiate with S&C	Need to give S&C	Purely DAQ Software issues
 Simulations for data volume Beam Beam gas Synchrotron Rad Simulations for radiation effects Simulations for testing DAQ data reduction algorithms Slow simulators for detectors 	 GIT repo's Software release scheme (including CI &/or exception from CI) Documentation scheme Database scheme (conditions, run, file tracking) Analysis code interfaces QA code interface Collider information interface Access "cdev" Feedback Slow controls (masking, components, etc) Web servers etc 	 Conceptual Data Format (Time frame + data banks) "time frame/event building" concept Actual data file format (High level format → navigation to data banks) Data bank formats / readers Realistic data formats for doing simulations (based upon time frame and DAQ banks rather than event generators) 	 Readout computer architecture (token proposal) Time frame handling architecture Analysis code Architecture QA architecture Run control concepts (stand alone detector running, configuration setting / tracking) Slow controls architecture