## Software Components, Schedule and Manpower...

Dave Abbot and I, as CAMs are iterating on the cost/schedule. I want to discuss the software/firmware tasks that need to be divided into work packages:

- The EVMS scheme defines a project in terms of work packages. There are monthly status updates towards completing the Work Packages, and when the work packages are done, the project is done! Guidance is →
  - Work packages should be ~1-2 years in duration (hours are separate from duration)
  - They should be composed of tasks lasting 30-60 days
  - Tasks need to have some sort of metric to apply, deliverables or at least judgement as to the fraction completed

Seems straightforward but there are number of issues

- Software not yet fully specified, and likely to change as needs become more clear
- DAQ systems components are tightly coupled, and must be defined and developed iteratively along with their connecting components
- There is lots of existing code (CODA, sPHENIX DAQ, STAR DAQ, etc...) but nothing that satisfies fully the needs → tasks may involve significant evaluation and adaptation and its not clear yet what tasks are development and which are adaptation.

## Strategy

The goal is to get something complete that is flexible enough to handle the types of likely activities we will need while being detailed enough to make sure that checking off the WBS work package milestones results in a full, operating DAQ system















I've outlined the set of work packages and subtasks

What I'm trying to do is a sort of though experiment in which the years 2025-2031 are laid out in 1 month chunks. I've tried to describe the bullet items that are going to end up on the calendar for each of those months.

The question is whether these bullets seem doable, and whether they lead to a functioning DAQ if done?

Questions, Queries, Suggestions?