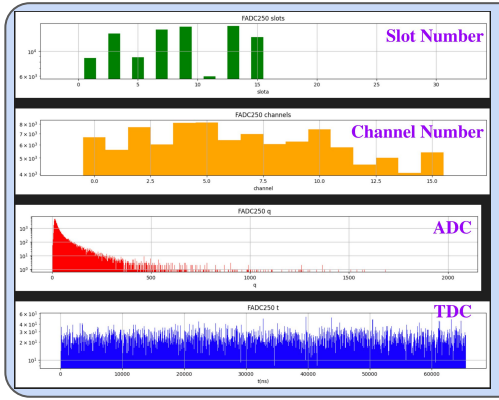
FY24Q2 Project Status

ID	Task	status	Comments
M01	Create prototype ERSAP configurations for INDRA and CLAS12 test systems	■	A CLAS12 example and "Hello World" example have been placed in Github. INDRA has not been done yet.
M02	Identify or capture SRO formatted data from CLAS12 and INDRA test systems with data tag/filtering capability (output data ready for further offline processing)	✓	Data was captured at various beam currents from CLAS12 on Dec. 17. INDRA data capture done using pulser inputs to SAMPA setup.
M03	Evaluate existing solutions for configuring and launching remote distributed processes	✓	see evaluations in document on EPSCI wiki.
M04	Establish code repository(s), project site, and method of documentation	✓	This has been done here: https://github.com/JeffersonLab/SRO-RTDP
M05	Create stream splitter program for EVIO or HIPO data formatted files	✓	Created for GlueX. (See text for details on HIPO)
M06	Create stream splitter program for simulated data in PODIO for ePIC	■	Created podio streaming prototype. Large scale testing is pending.
M07	Create VTP emulator using files produced by stream splitter	■	Mostly done for raw data. Not started for simulated data.
M08	Create controller program to synchronize multiple VTP emulators	✓	Satisfied through alternate design using synchronized system clocks.

Table 1: FY24Q1 and FY24Q2 Milestones

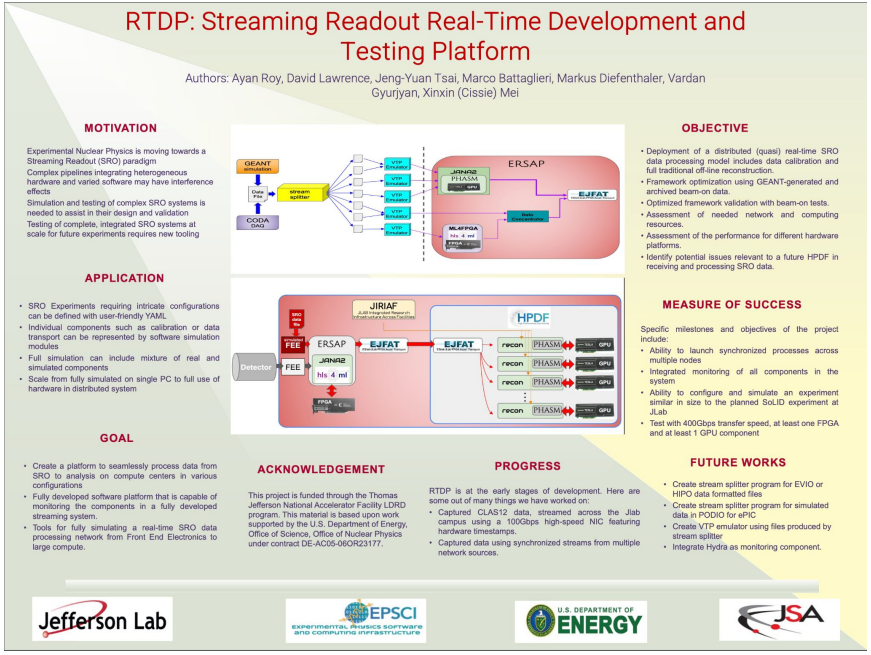


payload data extraction from CLAS12 packet capture exercise

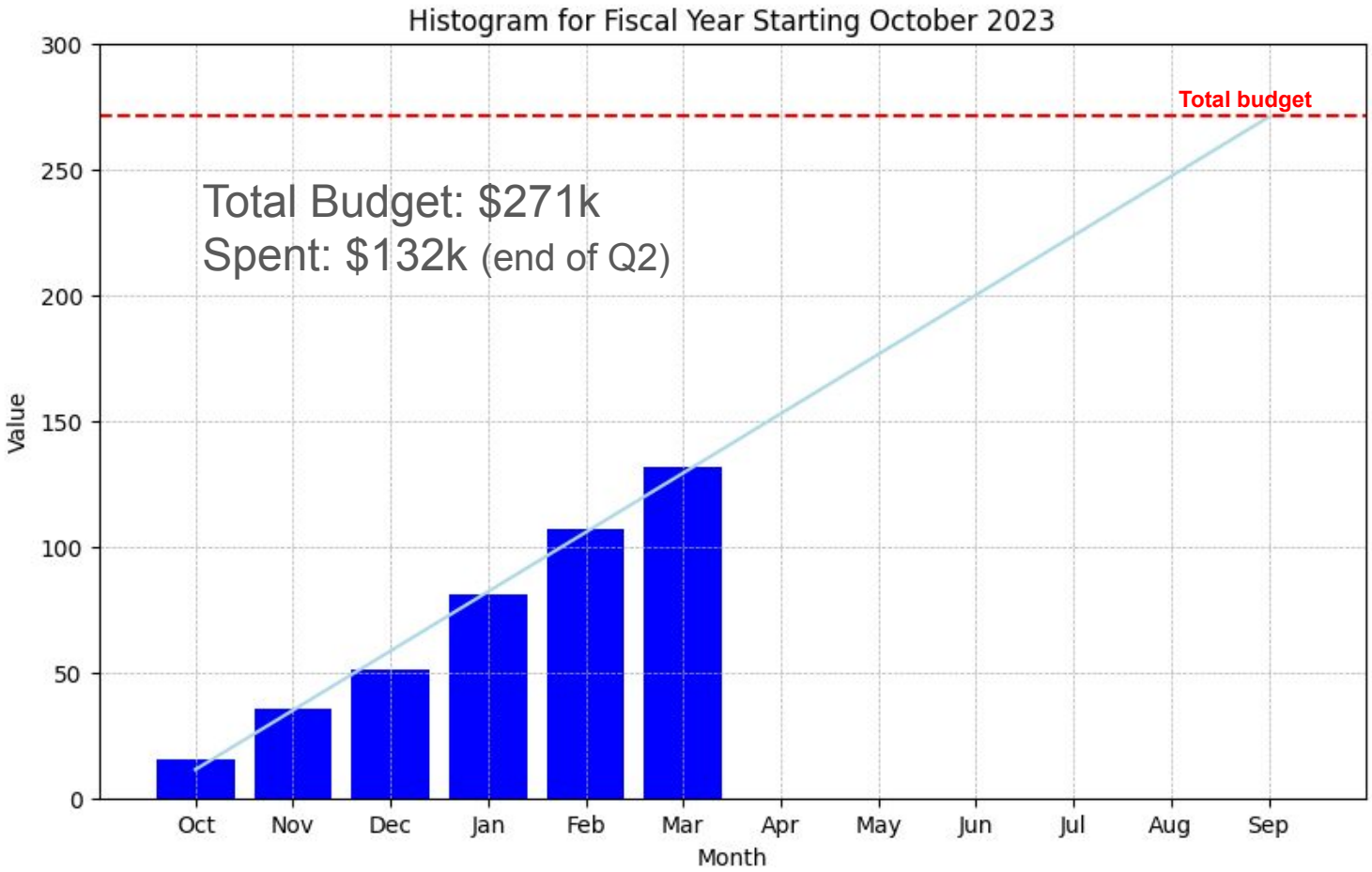
Major Highlights:

- Poster presentation at ACAT2024
- CLAS12 Data capture data verification
- GlueX EVIO raw data files split on rocid
- EVIO stand alone event aggregator
- Continued graph visualization and configuration
- Streaming of podio ePIC data

Poster presented at 22nd International Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT2024)



Budget


Histogram for Fiscal Year Starting October 2023
Total budget
Total Budget: $271k
Spent: $132k (end of Q2)
Value
Month
0
50
100
150
200
250
300
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep