



PICO

Goals

August 19 2024



What we were told by the EAC

- Continue to follow the review and installation procedure plan for PICO-500 as agreed with the lab.
- Operation of PICO-40L is still important for understanding of the backgrounds in order to mitigate risks for PICO-500.
- Try to further improve the personpower situation.
- Formally request an extension to space allocation for PICO-40L prior to the end of the current allocation in March 2025.
- The space allocation for PICO-500 should be extended through 2028, when there should be sufficient data to determine if further running is warranted.

PICO-40L

- Wall rate ? Consistent on all surfaces? Why high? Can we control it?
- Bellows rate? Why high? Can we control it? How can we learn more about it?
- Low AP events: not dark matter.
- But what:
- Particulates? Chemistry?
- How can we control particulate flow? Thermally? Filtration? Buffer liquid?
- Operation: person power, reliability of the systems, optimizations?

PICO-500

- Close out TDR related business
- Finish suspension
- Build pressure vessel, inner detector
- Finish remaining design and review work
- Start software work
- Finish procurements, piezo production

Go for it!

- We have a really interesting set of challenges ahead
- We have a good team of people assembled for the problem
- Let's enjoy the ride and get some cool papers out in the process