

Collaboration Meeting Welcome

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HPS Collaboration Meeting

SLAC (?) – June 23, 2020



COVID-19: Day 46 I (since original lockdown in CA)



It has been an exceedingly strange and troubled time, but there are encouraging signs!

- SLAC is >90% vaccinated, has abolished occupancy limits and distancing requirements for vaccinated people, and is close to allowing full-time office work (currently 3 days/week for us).
- JLab has moved to MEDCON 4, which should simplify much of what we need to do to run.
- Travel is still challenging (administratively at least), but is also showing signs of improvement.

Meanwhile, have managed to do a lot done since the PAC48 review 8 months ago under difficult conditions:

- work in the lab to repair and refurbish the detector in advance of upcoming run
- completion of 2016 displaced vertexing (first use of L1L2 events) and progress expanding HPS physics to include new signatures (SIMP)
- significant improvements to event reconstruction, calibration of the 2019 data, Monte Carlo tools

And some really great things have happened in the world also!

Congrats to Rafo on a new baby boy three days ago!!! 🎉🥰

What Comes Next?

We have some major work ahead of us to discuss:

- **First and foremost we need to discuss how we complete work on the detector and get everything ready for the run, and how we will manage to operate efficiently to collect a solid dataset during what will probably be a long COVID hangover.**
- **We also need to consider how we will maintain momentum on the 2016 paper and ongoing SIMPs analysis, and make rapid progress towards 2019 results.**

Planning for this meeting has been very rushed due to current challenges (apologies)

- **After on-again/off-again uncertainty, a crew from SLAC will be at JLab 6/28-7/6!**
- **With much to do in the next 8 weeks, we shouldn't spend too much time preparing talks anyway.**
- **Instead, we need brief overviews of status and plans and time to discuss how to overcome our challenges: more of a pre-run workshop / working meeting than a typical collaboration meeting.**

Hopefully, our next meeting can be in person!!