

Particle Physics Faculty Meeting

- Agenda
 - Update on Hiring
 - ACOT

Status on New Hires

- All three positions from PSD submitted by Petr to Reiner (HyperK, ALPHA, Atomic-NP)
 - No relative ranking from PSD
- Requested immediate hires for two BAEs from the Particle Physics side
 - HyperK – Crucial replacement hire (seamless) for Patrick de Perio
 - ALPHA – Highest priority PSD hire (crucial, recognized by ACOT, projects approaching a breaking point)
- Makoto, Akira, Mark, OSC met with Nigel, Reiner & Petr and presented the case last week
- Nigel responded today officially with a decision

Status on New Hires

- From Petr:
 - Nigel authorizes hires to Hyper-K and ALPHA-G projects. The potential hire to laser spectroscopy should be deferred. He asks that the ALPHA-G recruitment look at the potential of broadening the applicant pool by incorporating a wide skill set in the search, including potential ability to cover some of the laser perspective
 - The hires must be phased such that current commitments to Patrick and Matt are concluded
 - The laser spectroscopy position was deferred at this stage as it does not have a funding in place like the other two positions.

- We will start preparing the the job ads immediately

ACOT

- Nov 18th - 20th
- The overview talks for the parallel sessions are this time to be pre-recorded a week in advance of the ACOT meeting itself but open for attendance + 5min questions
- Wednesday, November 10 from 8:00 am to 10:00 am
 - TRIUMF Overview - Nigel Smith (45 mins)
 - ARIEL - Eric Guetre (15 mins)
 - Accelerator Division - Oliver Kester (15 mins)
- Friday November 12, from 8:00 am to 10:00 am
 - Nuclear Physics - Chris Ruiz (15 mins)
 - Particle Physics / Science Technology / Data Science - Oliver Stelzer-Chilton (15 mins)
 - Molecular and Materials Science - Syd Kreitzman (15 mins)
 - Theory - Petr Navratil (15 mins)

ACOT

- Parallel sessions take place on November 19th 8:30 am - 9:30 am
- For this session, 50 minutes should be reserved for discussion and at most 10 minutes are to be used for one or two short presentations
- One talk on “Research Highlights”
 - Beatrice has kindly agreed to give this talk
- Need to send the slides to Reiner by Monday November 15th

ACOT

- Poster session takes place on November 19th 10:45 am - 11:30 am
- Posters selected by Petr and Reiner
- **Particle Physics / Science Technologies**
 - Searching for di-Higgs Production in the 4 b-jet Channel using the ATLAS Detector at the LHC (Chris Gubbles)
 - ATLAS New Small Wheel Integration at CERN (Callum McCracken & Damian Sheppard)
 - ATLAS sTGC quadruplet test beam characterization (Leesa Brown)
 - Water Cherenkov Detector Development for the Hyper-K project (Ryosuke Akutsu)
 - SuperCDMS Detector Testing at CUTE correct (Eleanor Fascione)
- **Scientific Computing**
 - Hyper-K Machine Learning (Nick Prouse)
 - Beam Tuning with Reinforcement Learning (David Wang)
- **+ 5 Nuclear Physics, 2 CMMS, 2 Theory, 4 Accelerators**



SMM

- The PSD slides at next week's Senior Management Meeting will focus on the Particle Physics Department
- Please send Mark any updates that you would like to have included in the SMM slides by Friday morning
- Can be just a condensed version of the ACOT Research Highlights