SCD Postdoc News

Adam Lyon and Robert Harris
Fermilab

SCD Postdoc Meeting
May 5, 2020

Hi !

- Welcome to week ~~5,314~~ 7 of working from home

- We hope you and your family & friends are doing well

- Please don't hesitate to let us know if there are any issues with working from home

- Thanks for doing the weekly reports. We know they can be a pain, but they are very important to SCD and lab management

- You will likely hear rumors of the lab slowly "recovering" from the stay-at-home order. This will be done with safety as the paramount concern. My understanding: All of SCD with very few exceptions will continue to work from home for the foreseeable future. Let me and/or your supervisor know if you have any questions

Adam Lyon, Fermilab

Snowmass White Papers

- The process to plan the future of HEP is underway ("Snowmass")

- The last Snowmass resulted in the very successful "P5" plan

- See https://snowmass21.org

- There is a call for White Papers about ideas & plans

- A "Letter of Interest" is due August 31, 2020 (2 pages) for a planned White Paper

- !! If you have ideas for a Computing White Paper, please let Adam know !!

- The SAC (Science Advisory Council) is trying to track and coordinate this effort for White Papers with significant Fermilab effort (outside collaborators are fine)

- We are planning a Computing Facility White Paper with partners

- It may be possible to get some SCD non-scientist effort to help you

Adam Lyon, Fermilab

Welcome !

- Welcome new SCD postdoc Aleksandra (Alex) Ciprijanovic.

- Alex's Ph.D is in theoretical astrophysics from University of Belgrade
  - Her physics research was on understanding particle acceleration, production of cosmic-rays and their interactions
    - For example the contribution of unresolved galaxy clusters to the isotropic gamma-ray background observed by Fermi Large Area Telescope.
  - Her technical research was with Brian Nord on ML applications in astrophysics, for example using deep learning for studying merging of galaxies.

- Alex started work at Fermilab as a postdoc at the end of April
  - Her technical research will be with Gabe Perdue on the "High Velocity AI" CompHEP project, with a focus on uncertainty quantification and fast inference
  - She plans to continue her astrophysics research, with Brian Nord and others from Deep Skies Lab, as she develops ML tools for astrophysics and HEP.

- We hope Alex will tell us more about her research at a future meeting