RHIC/AGS Users Executive Committee

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9 February 2021

Outline

- Special business
- MCO
- SAS
- AOB

Special business

- Christine has a 1pm–2pm conflict
- Should we start future meetings at 2pm or arrange an all new day/time?

Meetings, Communication, Outreach

DC Day

- Since it's now 2021, we need to start thinking about this
- Very unlikely to be the normal in-person lobbying
- We should reach out to the lobbying group soon...

AUM 2021 Proposal

- Vaccine rollout has various problems, so our default assumption is for entirely or mostly online meeting
- Plan for reduced talk and break times to keep the day shorter (9am to 3pm, same as done for AUM2020)
- The usual 6 workshops
- New: work-oriented workshops about HEPData, Rivet, etc
- Two "full" days of plenaries
- Lots of the usual stuff needs to be accommodated, but we'd like to get some new stuff as well
  —Data Analysis Preservation
  —More emphasis on EIC physics if possible

AUM 2021 Proposal

- Plan for reduced talk and break times to keep the day shorter (9am to 3pm, same as done for AUM2020)

Duration	Start	End	Topic
25	9:00	9:25:00 AM	
25	9:25:00 AM	9:50:00 AM	
25	9:50:00 AM	10:15:00 AM	
15	**10:15:00 AM**	**10:30:00 AM**	**BREAK**
25	10:30:00 AM	10:55:00 AM	
25	10:55:00 AM	11:20:00 AM	
25	11:20:00 AM	11:45:00 AM	
30	**11:45:00 AM**	**12:15:00 PM**	**LUNCH**
25	12:15:00 PM	12:40:00 PM	
25	12:40:00 PM	1:05:00 PM	
25	1:05:00 PM	1:30:00 PM	
15	**1:30:00 PM**	**1:45:00 PM**	**BREAK**
25	1:45:00 PM	2:10:00 PM	
25	2:10:00 PM	2:35:00 PM	
25	2:35:00 PM	3:00:00 PM	

AUM 2021 Proposal

- New: work-oriented workshops about HEPData, Rivet, etc

Workshops	Suggester	Possible organizers	Explanation
HEPMC standards - moderated discussion among theorists re: standards, status, Rivet compatibility	Christine	Christine, Hannah P., Christian Bierlich	HEPMC is the standard output for MC generators and the input to Rivet. It seems like it might be trivial at first, but there are a number of complexities in how particles are listed in the output and which particles are listed. While most heavy ion generators produce HEPMC, the only heavy ion generator which conforms to standards is PYTHIA Angantyr. Issues that come up include: (1) Pi0s should be listed as unstable particles [status code 2] while their daughters are final state [status code 1]. True of all decays. (2) Some experiments are of unstable particles [which should have status code 2], but it is not feasible to store HEPMC output with *all* unstable particles because it makes output files too large. There must be some practical way to deal with this! (3) Information on the beam particles is often encoded by listing these particles as particles in the HEPMC output. This is then used by Rivet to determine the beam. Only PYTHIA Angantyr does this. (4) There are no generators which are spin-aware and which produce HEPMC output. This is both an issue for the spin community *now* and an issue for the EIC, since Rivet and HEPMC are great tools which we should use. This would largely be a discussion among theorists about standards and how to practically implement them, with input from experimentalists on what we need.
JETSCAPE mini-school - how to run JETSCAPE and analyze basic results (unit 1 of 2020 summer school)	Christine	James Mulligan/JETSCAPE	The full JETSCAPE school involves sessions on how to develop energy loss models in the JETSCAPE framework. Most experimentalists just want to run JETSCAPE to make predictions. This can be covered in two 3 hour parts, comparable to the first module of the JETSCAPE 2020 school. This would be an interactive workshop, not a series of talks.
Rivet Hands On Workshop	Christine	Raghav, Maria from STAR, Antonio Da Silva	Rivet is a tool for reading in HEPMC input so that standardized codes for model comparisons can be included with publications. We have done a full Rivet workshop with the goal of completed analyses, but that took a week. However, we can probably do a canned example in two 3 hour parts and get people the basics so that they can finish a Rivet analysis later. This would be an interactive workshop, not a series of talks.
HEPData - practical implementation troubleshooting session	Christine	Christine, Maxim P, Frank G.	HEPData is now the standard for making data available. STAR and PHENIX both have backlogs of published analyses to format and this is the only way to get PHENIX data public. This would be more of a troubleshooting session with some "experts" on call than talks. I would recruit experts to help troubleshoot and to go into breakout rooms with people.
Heavy flavor			
BES			
Cold/Spin/Fwd			
Small systems			
Jets			
Jets at the EIC	Christine		
EIC hardware?	Christine		
Something EIC-y which would draw JLab people in	Christine		Yeah obviously needs more focus ;)
Diversity - perhaps "How to be an effective ally"			

- Thesis Awards
- Merit Awards
- DNP/APS Committees & Awards
- Representation & Diversity in Physics

Site Access / Science

- STAR needs people for shift and sPHENIX needs people for construction
- Alternate food plans need to me made through to the end of FY21 at least
- Comments from Kathy?

Any Other Business

- Anything else?