LUXE-SAS

Apr   17   2023

News

- Moving to bi-weekly schedule
- Start rotating between these points at least:
  - PTARMIGAN simulation
  - General GEANT4 and model updates
  - General FLUKA updates
  - Beam (+ monitoring) simulation
  - Fast simulation
  - Data management
  - Calorimeter studies
  - Tracker studies
  - Cherenkov studies
  - IP screen studies
  - Fwd screen studies
  - Profiler studies
  - NPOD studies
- Any other occasional topic is welcome.
- Considering 2 topics/meeting, each topic should be discussed at least once every ~3 months
  - your score in column B should be >=0.5
  - please start filling your names in
- Notice that this schedule goes up to mid July
  - should be able to have enough progress and material before the Sep workshop
  - will formulate a coherent roadmap based on that period

Simulation, Analysis and Software

Monday Apr 17, 2023, 9:00 AM → 12:00 PM Europe/Berlin

Description — Meeting ID: 916 7025 7822
Password: 434044
Join from PC, Mac, Linux, iOS or Android: https://weizmann.zoom.us/j/91670257822?pwd=L01uZHJMTmtmNkdpUklOTnlMU1M5QT09

Meetings schedule

| 9:00 AM → 9:10 AM | Intro | 10m |

Speakers: Beate Heinemann (DESY and University of Freiburg (Germany)) , Daniel Seipt (Helmholtz Institut Jena) , Noam Tal Hod (Weizmann Institute of Science) , Oleksandr Borysov (DESY)

| 9:10 AM → 9:40 AM | Fwd photons spectrometer update | 30m |

Speaker: Kyle Fleck (QUB)

	A	B	C	D	E	F	G	H	I	J
	Minimum per topic	2								
	Total meetings	8								
	Topic	Score	Apr 17	Apr 24	May 8	May 22	Jun 5	Jun 19	Jul 3	Jul 17
	PTARMIGAN sim.	0.500		Tom						
	GEANT4 & model	0.000								
	FLUKA	0.000								
	Beam (+mon) sim.	0.000								
	Fast sim.	0.000								
	Data management	0.000								
	Calo	0.000								
	Tracker	0.000								
	Cherenkov	0.000								
	IP screen	0.000								
	Fwd screens	0.500	Kyle							
	Profiler	0.000								
	NPOD	0.000								

Recap

- FLUKA:
  - Need a meeting with DESY's radio-protection people (and dump experts)

- GEANT4:
  - integration with key4hep will start technical discussion when Sasha is at DESY (May/June)
  - Some small updates to the IP detectors needed after the IL meeting in March
  - Add photon dump shielding wall (for NPOD)

- IP chamber discussion
  - **No progress**

- FastSim:
  - Arka finished ATLAS paper work and will come back to this now
  - more volunteers are welcome

- NPOD:
  - Mismatches understood, need to run with the shielding wall in the nominal setup (LUXE's setup)