CORSIKA Cosmic Ray Simulation Workshop [virtual]

Tuesday, June 23, 2020

CORSIKA Workshop: Connection to accelerators (3:35 PM - 5:30 PM)

  -Conveners: Remy Prechelt

time	[id] title	presenter
3:35 PM	[17] Core-Corona approach and the muon deficit	PERLIN, Matias
3:50 PM	[19] Lower energy hadron collisions with SMASH	SCHÄFER, Anna
4:05 PM	[20] CRMC in Geant4	TYKHONOV, Andrii
4:20 PM	[44] FASER: very-forward neutrinos	KLING, Felix
4:40 PM	[10] A Forward Multiparticle Spectrometer for CMS	ALBROW, Mike
5:10 PM	[21] Combined discussion, Q&A	PRECHELT, Remy

Wednesday, June 24, 2020

CORSIKA Workshop: Radio emission **(3:55 PM - 5:25 PM)**

  -Conveners: Tim Huege

time	[id] title	presenter
3:55 PM	[33] General thoughts on radio in CORSIKA 8	HUEGE, Tim
4:10 PM	[34] Suggestion for a radio interface in CORSIKA 8	PRECHELT, Remy
4:25 PM	[24] Simulations of radio emission for air showers penetrating from air to ice	DE VRIES, Krijn
4:45 PM	[25] Simulations for in-ice radio experiments	GLASER, Christian
5:05 PM	[26] Combined discussion, Q&A	HUEGE, Tim

Thursday, June 25, 2020

<u>**CORSIKA Workshop: GPU and acceleration**</u> **(2:15 PM - 3:45 PM)**

 -Conveners: Dominik Baack

time	[id] title	presenter
2:15 PM	[27] Cascade equations and accelerated methods	FEDYNITCH, Anatoli
2:35 PM	[32] Random number generation in multi-threaded programs and recent developments in numpy | Efficient static dispatch mechanisms in C++	DEMBINSKI, Hans
2:55 PM	[22] EM cascades	MEIGHEN-BERGER, Stephan
3:10 PM	[23] Electromagnetic shower simulation using PROPOSAL	SACKEL, Maximilian
3:25 PM	[35] Combined discussion, Q&A	BAACK, Dominik