

sPHENIX Software Mega-workfest

Monday, 13 January 2020 - Friday, 17 January 2020

BNL

Scientific Programme

We have two general tracks as below in two rooms for Monday-Thu. There will also be tutorial on Monday too.

Here, topics and their coordinators are listed. If you are interested to work on any of these topics, please contact its coordinators.

Tracking/TPC calibration - Berkner C

Coordination: Tony Frawley, Christof Roland
Tracking development, geometry implementation
Seeding - cellular automaton
Kalman propagation: simplified Kalman filter
ACTS for full track fitting
TPC space charge distortion
Tracking calibration and infrastructure
Outer detector studies
Data compression, DST format, analysis format, DB integration
MVTX Vertexing
KF particle
Tracking QA module

Topical groups - - Berkner A & B

Topics and coordinators
Jet and photon reconstruction: Rosi Reed, Dennis Perepelitsa
HF reconstruction: Dong Xin, Jin Huang
Calorimeter calibration: Justin Frantz
Offline event builder: Chris Pinkenburg, Martin Purschke
Computing plan update: Ron Soltz