

SIDIS WG MC requests for March campaign

- Event generator: Pythia6 but for now reuse the already produced files in eic-smear format: pythiaeRHIC files used in YR and ECCE proposal through full detector simulation and reconstruction.
- Location for files in hepmc format and with IP6 crossing angle:
On rcf in:
/gpfs02/eic/DATA/YR_SIDIS/ep_AAxBBB/hepmc_ip6/noradcor/
- Required reconstructed quantities:
tracks, clusters, projections, PID/eID

Generator	energy	events	Q ² range
Pythia6	18x275	15 M	(1<Q ² <10)
Pythia6	18x275	6 M	(10<Q ² <100)
Pythia6	18x275	1.5 M	(100<Q ² <1000)
Pythia6	18x275	1 M	(Q ² >1000)
Pythia6	5x41	12 M	(1<Q ² <10)
Pythia6	5x41	6 M	(10<Q ² <100)
Pythia6	5x41	1.5 M	(100<Q ² <1000)

SIDIS WG MC requests for TDR

- Event generator: Pythia6 but for now reuse the already produced files in eic-smear format: pythiaeRHIC files used in YR and ECCE proposal through full detector simulation and reconstruction.
- Location for files in hepmc format and with IP6 crossing angle:
On rcf in:
/gpfs02/eic/DATA/YR_SIDIS/ep_AAxBBB/hepmc_ip6/noradcor/
- Required reconstructed quantities:
tracks, clusters, projections, PID/eID

Generator	energy	events	Q ² range
Pythia6	18x275	100 M	(1<Q ² <10)
Pythia6	18x275	40 M	(10<Q ² <100)
Pythia6	18x275	10 M	(100<Q ² <1000)
Pythia6	18x275	5 M	(Q ² >1000)
Pythia6	5x41	80 M	(1<Q ² <10)
Pythia6	5x41	40 M	(10<Q ² <100)
Pythia6	5x41	10 M	(100<Q ² <1000)
Pythia6	10x100	80 M	(1<Q ² <10)
Pythia6	10x100	40 M	(10<Q ² <100)
Pythia6	10x100	10 M	(100<Q ² <1000)
Pythia6	10x100	2 M	(Q ² >1000)
Pythia6	5x100	80 M	(1<Q ² <10)
Pythia6	5x100	40 M	(10<Q ² <100)
Pythia6	5x100	10 M	(100<Q ² <1000)
Pythia6	5x100	0.4 M	(Q ² >1000)