



# Update on Simulation Schedule & Physics Simulation information

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# Update

- Simulation Campaign schedule

[https://docs.google.com/spreadsheets/d/e/2PACX-1vSHiMqzqiY5ZY8uvdvtVbMp\\_5Ervg9AKvkBUBKO-5JLQAIYkuZ6SYQtN8KJ8e4cJyNhIfkGtRDUyYfk/pubhtml](https://docs.google.com/spreadsheets/d/e/2PACX-1vSHiMqzqiY5ZY8uvdvtVbMp_5Ervg9AKvkBUBKO-5JLQAIYkuZ6SYQtN8KJ8e4cJyNhIfkGtRDUyYfk/pubhtml)

11	Start 10M particle gun and/or SIDIS events	22/6/21	Prod. Managers	Not started	Particle gun gives a quick check of some performance (i.e. tracking), SIDIS gives us global acceptance and more tracks per event
12	Analyse 10M particle gun events and SIDIS events	25/6/21	Physics, Computing V	Not started	See "More information" for "Start 10M particle gun and/or SIDIS events" task
13	Meet with PWGs regarding particle gun and SIDIS sim va	29/6/21	Detector & Physics W	Not started	See "More information" for "Start 10M particle gun and/or SIDIS events" task
14	Physics Generation Campaign 1	31/6/21	Simulations WG	Not started	Full scale, production of Multi-100M event set

- Detector setup:

<https://github.com/ECCE-EIC/macros/tree/June-2021-Concept>

- Collect comments

- 3<sup>rd</sup> Simulation workshop on July 8<sup>th</sup> 2021

- Suggestions for the workshop are welcome



# Configuration Files from SIDIS Group

- Location at BNL: /gpfs/mnt/gpfs02/eic/DATA/YR\_SIDIS/
- PythiaRHIC (Pythia 6)
- Tuned by Elke to match HERA data
- Configurations with different collision energy and  $Q^2$  range
- No cuts except a minimum  $Q^2$  cut
- Also contains output files with and without smearing
- The smearing files used Yellow report detector requirement as detector response
- More details in the README



# Physics Simulation Information

- Event generator
- Configuration file
- Number of events needed
- Filters?
- Any generated files?
- Disk space
- running hour

