

Simulation, Production, and QA

Weekly meetings:

- <https://indico.bnl.gov/category/416/>
 - And subcategories for fun4all and dd4hep office hours
- **Thursdays 2pm EDT**

Today's brief topics:

1. Overview of submitted simulation requests
2. Tentative timeline for detector configuration inclusion in simulations

2022-Q3 Resource Requests (June-September)

- **Inclusive**

- Djangoh ep NC for 5x41, 10x100, 18x275; Q2 > 1, 2, 10, 50, 100, 500, 1000

- **SIDIS**

- Pythia6 ep for 5x41, 10x100, 18x100, 18x275; all, $1 < Q2 < 100$, $100 < Q2$ (varying number of events, 1M to 20M)
- Pythia6 with/without IFS/FSR, settings as above, but lowest/highest energies only (similar number of events)
- Lambda generator (2M)

We can still accept further requests, on exceptional basis.

- **Jets/HF**

- Pythia8 ep NC for 5M each in 5x41, 10x100, 18x275; Q2 > 1, 10, 100
- Pythia8 ep CC for 5M each in 5x41, 10x100, 18x275; Q2 > 100

Timeline for Detector Configuration Inclusion

Item	Task	Date
1	Acquire PWG physics/event requirements	June 2022
2	Aggregate and divide up the requirements for processing	June 2022
3	First simulation campaign - June-July 2022 Concept	June-July 2022
	Geometry/reconstruction feature freeze	June 24
	Bug fixing and benchmarking sprint	June 24-July 1
	Full simulation freeze and tag	July 1
4	Collaboration formation initiated (expected)	July 2022
5	Common Software Framework pieces decided on	August 2022
6	Develop common job submission framework	August 2022
7	Second Simulation Campaign, October 2022 Concept	November 2022
8	Third Simulation Campaign, January 2023 Concept	February 2023