

ECCE Software

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Production Status

Full Production

June 2021 Concept

PWG	Process	Generator	Beam Parameters	No. Events Requested
Diff. & Tag.	Meson Structure	DEMP		2M
Diff. & Tag.	Neutron Spin			< 1M
Diff. & Tag.	Coherent	BeAGLE		1.4M
Exclusive	DVCS ep	MILOU3D	275 on 18 GeV; 41 on 5 GeV	expect ~1M/config
Exclusive	DVCS epi0	Root files from YR converted to correct format to be passed through EICSmear	275 on 18 GeV; 41 on 5 GeV	?
Exclusive	DVCS eHe	TOPEG	110 on 18 GeV; 41 on 5 GeV	1M/config

- Production ongoing
 - 10M single particle events
 - 10M low and high Q^2 SIDIS events each
 - Physics and detector groups busy analyzing data to confirm things look as expected
 - Large scale production submission ongoing
- Starting preparations for next simulation campaign already

Simulation Workshop

- Third ECCE simulation workshop scheduled for tomorrow, July 8th, 2021
- Starts at 9 AM EST
- <https://indico.bnl.gov/event/12245/> for more information