

Effort from Exclusive WG: Sartre & eSTARLight (& DVMP? based on mtg discussion) : J/Psi & Phi

- Julie Roche & Justin Frantz (Ohio U) and Peter Steinberg (BNL), Rachel Montgomery (Glasgow)
- Just getting started/coordinated. Found that Sartre build in ECCE build is not working properly. Peter will obtain pre-generated samples. But if we can run it it will probably be helpful
- Found steering cards info from Diffractive/Tagging page for eSTARLight will start that quickly.
- Plan is to look at both J/Psi and Phi from both EG's.
- Starting with just EG's now, next step look at EICSmear output,
- then each step in the analysis chain
- Made a wiki.bnl.gov "Working Page" to post info/progress
 - https://wiki.bnl.gov/eicug/index.php/ECCE_Physics/exclusiveVM
 - Peter has already obtained the Sartre events (on sdcc) will post there shortly.
- Please let us know if this sounds like a good plan w.r.t. any efforts within the Diffractive Group, and if there are any collaborators besides the conveners we should coordinate with/overlap with



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Existing Info on Event Generators from Y

- TOPEG (Code and documentation), nuclear DVCS (including proton)
 - Contact: R. Dupré
- DVCS
 - Generator: Milou / Milou3D
 - MC samples: /gpfs02/eic/DATA/MILOU/newfiles/NEWMILOU*.out
 - Contact: Salvatore Fazio
- DVMP
 - YR Contact: Sylvester Joosten
 - IAGER (https://eicweb.phy.anl.gov/monte_carlo/iager/)
- Diffractive dijets
 - Generator: Pythia8
 - Contact: Latif Kabir
- Exclusive J/Psi and Phi Production
 - Generators: Sartre and eSTARlight??
 - Working Wiki Page