Exclusive, Diffractive, Tagging WG

Regular WG Meetings (Jan 29, Feb 12)

- Discussed the TDR and event generators

- Progress on backward rho0 production
  - **Process that can test B0 performance**
  - **We hope to have a benchmark here soon**

- Meson form factor study

- Rapid updates of many analyses in progress
  - **A few figures from pi0 DVMP**

Analysis, Computing and Software Meeting

We are working on getting a list of generators

- The task is particularly complex for our working group
  - **Wehave many topics, they often use exclusive generators**
- We are progressing
  - **We will send a table next week**

We would like feedback

- What are the TDR official energy settings ?
- Clarifying what is presently run would help going forward
  - **In the form of what is requested from us**

Physics Process	Q2 Range	Physics Generator	Comments
DVCS ep	Q^2 > 1	EPIC	18x275, 10x100 (ou 110), 5x41 currently ?M, need ?M We might want to add a tmin as well.
DVMP	Q^2 > 1	EPIC ?	Same as DVCS ep
TCS	Q^2 > 1	EPIC	Nobody is actively working on it, could be paused as it takes a lot of computing right now
Elastic ep	?	Djangoh 4.6.21	Configs? Nb of events?
Tagged DIS (eD)		Beagle	10x110 (nb of events ?) 5x110 request coming
VM production eAu coh phi		Sartre	Already in monthly production (settings?)
VM production eAu coh J/Psi			In progress (settings?) (Beagle?)

Generator List (in progress)

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Physics Process	Q2 Range	Physics Generator	Comments
VM production eAu incoh J/Psi	Q^2 > 1		Addition of a low Q2 config possible (Beagle?)
Pion/kaon FF		DEMPgen	pi+n: 5x41, 5x100, 10x100 K+Lambda: 5x41, and as a test 5x100 K+Sigma0: 5x41
DVCS en	Q^2 > 1	TOPEG	TOPEG is in process of upgrading
DVCS He4	Q^2 > 1	TOPEG	TOPEG is in process of upgrading We might want to add a tmin as well.
J/Psi	?	lAger	18x275 , 10x100 in progress. Need some upgrade to get in the train. We hope to get both ee and $\mu\mu$ decays
Upsilon	?	eSTARLIGHT	They propose to run what they need at NERSC@LBL