SIDIS working group

ECCE physics conveners meeting April 20

Charlotte Van Hulse (Orsay) Ralf Seidl (RIKEN)



Main figures for the report

- 4D (x-Q²-P_{hT}-z) kinematical + PID coverage figure similar to YR
 - Concentrate for the most part on certain x-Q2 ranges due to simulation cost
- Closely related: z, P_{hT} and φ_s, φ_h smearing figure for different ECCE configurations
- Simulations can start from the YR Pythiaerhic/eicsmear files

Fig. 8.29





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Sivers/Collins/unpol TMD figures

- Redo these YR analyses (AUTs require reweighting of events in truth kinematics+parton flavor)
- Need to take into account crossing angle and related acceptance/smearing effects
- Similar to YR guess systematics via variation between perfect and smeared options
- Extrapolate from some x-Q2 bins to all and give to Alexey Vladimirov (Sivers, unpol TMD) or Daniel Pitonyak (Tensor charge) for impact studies





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RIKE



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Some spectroscopy along X/Y/Z states

 Spectroscopy could be interesting as mostly photoprodution at forward rapidities



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