

Minutes: SBS Meeting January 27, 2016

Agenda: Andrew - SBS Optics and Spin Transport

Attendees: Brian Quinn, Gregg Franklin, John Annand, Andrew Puckett, Mark Jones, Mitra Shabestari, Dasuni Adikaram, Evaristo Cisbani, Gordon Cates, Vladimir Nelyubin, Dipangkar Dutta, Simona Malace, Alexandre Camsonne, Nilanga Liyanage, Bogdan Wojtsekhowski.

Andrew - SBS Optics and Spin Transport

- SBS/BigBite Optics studies from GEANT4
- SBS optics fitting from GEANT4
- Spin transport properties of SBS in GEp
 - Showing simulation results of the non-dispersive precession
 - Discussing formalism for fitting spin transport matrix elements
 - Showing spin fit results up to 5th order
- Status and plans
 - Figure out how to enforce orthogonality in every event
 - Add sieve slit to MC, develop optics and spin transport calibration/optimization procedures
 - Quantify systematics