Todo list for SoLID DDVCS proposal due in 2025/05 (Focus on the setup as a run group with JPsi/TCS)

Task	Task details	outcome	note	who	
1. simulation	Pion blocking, tracking, proton detection, layers of muon detector	Acceptance, efficiency, errors		Zhiwen, Alex and Ron Gilman	
2. Muon detector	Sim and design iteration	Design and cost			
3. Observables	sign change A _{LU} A _{FB} ? more? Sigma, moment?	observables with errors in xD bins	Replace grape with EPIC, xD binning affects stat and sys error	Sebastian,Eric, Victor,Pawel,Ja kub,Bernard,Ad am,Marie	
4. Physics	sign change CFF D term?	Publish a paper	Compare data near DVCS and TCS at least?		
5. Physics (optional for proposal?)	GPD	Part of the paper?	GPD models? GPD NLO? Shadow GPD? Global fit?		
6. writing				all	

Counts based on SoLID JPsi run group, no Q'2 cut applied

counts (1e3)	e+mu+mu		e+mu+mu+p		mu+mu+p	
	11GeV	22GeV	11GeV	22GeV	11GeV	22GeV
FA	777	103	46	27	261	958
FA+LA	1033	123	115	37	2057	3651



- Consider both e+mu+mu and e+mu+mu+p for projection which covers both low and high Q2 region
- Consider FA+LA for projection to see if additional physics from large angle muon detector worthy the additional cost (~1/3 of FA?)

