

Group meeting

October-18

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Summary of the current work

Topic	Summary
<p>Full analysis software of the Sivers Asymmetry extraction</p>	<ul style="list-style-type: none">• The goal is develop and validate frameworks and methods to extract Sivers function/Asymmetry (with all systematics) in order to speed up the publication after data taking• Established Siver's extraction software using Fourier Projection Method and Maximum Likelihood Method• Tested to the E1039 Monte Carlo events and a sample of E906 data
<p>Readiness review preparation -> Mock data challenge</p> <div data-bbox="195 1143 610 1382"><p>CODA online</p><ul style="list-style-type: none">• e1039-core/online/macros - Kenichi<p>CODA offline</p><ul style="list-style-type: none">• e1039-analysis/CODACHainDev - working<p>Sim chain</p><ul style="list-style-type: none">• e1039-analysis/SimChainDev - working<p>SRawEvent</p><ul style="list-style-type: none">• e1039-analysis/SRawEventChainDev - working</div>	<ul style="list-style-type: none">• Large-scale production test of the SpinQuest computing power

Summary of the current work

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Completion of Quench simulations and write up	<ul style="list-style-type: none">• Technical notes write up (got 14 pages)• Beam stability and misalignment study• 1-D simulation approach
Software/Simulation	<ul style="list-style-type: none">• Working on Full target simulation (Geant)• Working on a framework for analyzing E906 data

Summary of the current work

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Magnet setup at Fermilab	<ul style="list-style-type: none">• Several months ago me and carlos measured the cable-length from the magnet to the electronic• The cables are long enough through all penetration• Need to make sure the communication cable from cryo-platform (electronic) to the computers ->Will do it next week
VI Setup	<ul style="list-style-type: none">• All required VI are esentially available (No need to build from scratch)• Need to incorporate with Misha's framework-> Not yet started• Will talk to Misha next week