

# **Opportunities for Polarized Physics at Fermilab**

  

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome & Introduction

*Monday, 20 May 2013 09:00 (15 minutes)*

**Presenter:** Prof. AIDALA, Christine (University of Michigan)

**Session Classification:** Monday Morning I

Contribution ID: 1

Type: **not specified**

## **Polarized Drell-Yan at Fermilab**

*Monday, 20 May 2013 09:15 (30 minutes)*

**Primary author:** Prof. LORENZON, Wolfgang (University of Michigan)

**Presenter:** Prof. LORENZON, Wolfgang (University of Michigan)

**Session Classification:** Monday Morning I

Contribution ID: 2

Type: **not specified**

## Measuring the Proton EDM at Fermilab

*Monday, 20 May 2013 09:45 (30 minutes)*

**Primary author:** Dr SEMERTZIDIS, Yannis (Brookhaven National Laboratory)

**Presenter:** Dr SEMERTZIDIS, Yannis (Brookhaven National Laboratory)

**Session Classification:** Monday Morning I

Contribution ID: 3

Type: **not specified**

## **Overview of the Neutrino Program at Fermilab**

*Monday, 20 May 2013 10:15 (30 minutes)*

**Primary author:** Dr RAMEIKA, Regina (Fermilab)

**Presenter:** Dr RAMEIKA, Regina (Fermilab)

**Session Classification:** Monday Morning I

Contribution ID: 4

Type: **not specified**

## **Polarized Beams and Violent Collisions of Spinning Protons: Past, Present, and Possibly at Fermilab**

*Monday, 20 May 2013 11:15 (45 minutes)*

**Primary author:** Prof. KRISCH, Alan (University of Michigan)

**Presenter:** Prof. KRISCH, Alan (University of Michigan)

**Session Classification:** Monday Morning II

Contribution ID: 5

Type: **not specified**

## Project X

*Monday, 20 May 2013 12:00 (30 minutes)*

**Primary author:** Dr KRONFELD, Andreas (Fermilab)

**Presenter:** Dr KRONFELD, Andreas (Fermilab)

**Session Classification:** Monday Morning II

Contribution ID: 6

Type: **not specified**

## The COMPASS Polarized Drell-Yan Program

*Monday, 20 May 2013 13:30 (30 minutes)*

**Primary author:** Prof. GROSSE PERDEKAMP, Matthias (University of Illinois at Urbana-Champaign)

**Presenter:** Prof. GROSSE PERDEKAMP, Matthias (UIUC)

**Session Classification:** Monday Afternoon I

Contribution ID: 7

Type: **not specified**

## Summary of BNL Polarized p+A Workshop

*Monday, 20 May 2013 14:00 (30 minutes)*

**Primary author:** Dr JIANG, Xiaodong (Los Alamos National Laboratory)

**Presenter:** Dr JIANG, Xiaodong (Los Alamos National Laboratory)

**Session Classification:** Monday Afternoon I

Contribution ID: 8

Type: **not specified**

## **Energy Evolution for the Sivers Asymmetries in Hard Processes**

*Monday, 20 May 2013 14:30 (30 minutes)*

**Primary author:** Dr YUAN, Feng (Lawrence Berkeley National Laboratory)

**Presenter:** Dr YUAN, Feng (Lawrence Berkeley National Laboratory)

**Session Classification:** Monday Afternoon I

Contribution ID: 9

Type: **not specified**

## **Fermilab E906/SeaQuest: Current Status**

*Monday, 20 May 2013 15:30 (30 minutes)*

**Primary author:** Dr DIEFENTHALER, Markus (University of Illinois at Urbana-Champaign)

**Presenter:** Dr DIEFENTHALER, Markus (University of Illinois at Urbana-Champaign)

**Session Classification:** Monday Afternoon II

Contribution ID: **10**

Type: **not specified**

## **EDM Searches at COSY**

*Monday, 20 May 2013 16:00 (30 minutes)*

**Primary author:** Prof. RATHMANN, Frank (Forschungszentrum Juelich)

**Presenter:** Prof. RATHMANN, Frank (Forschungszentrum Juelich)

**Session Classification:** Monday Afternoon II

Contribution ID: 11

Type: **not specified**

## **Reliability of Predictions for the Single-Spin Asymmetry in Drell-Yan**

*Monday, 20 May 2013 16:30 (30 minutes)*

**Primary author:** Prof. COLLINS, John (Penn State University)

**Presenter:** Prof. COLLINS, John (Penn State)

**Session Classification:** Monday Afternoon II

Contribution ID: 13

Type: **not specified**

## The Physics of EDMs

*Tuesday, 21 May 2013 09:00 (30 minutes)*

**Primary author:** Prof. RITZ, Adam (University of Victoria)

**Presenter:** Prof. RITZ, Adam (University of Victoria)

**Session Classification:** Tuesday Morning I

Contribution ID: 14

Type: **not specified**

## **The Electron EDM in Storage Rings and Systematic Error Studies**

*Tuesday, 21 May 2013 09:30 (30 minutes)*

**Primary author:** Dr MORSE, William (Brookhaven National Laboratory)

**Presenter:** Dr MORSE, Bill (Brookhaven National Laboratory)

**Session Classification:** Tuesday Morning I

Contribution ID: 15

Type: **not specified**

## Beam and Spin Dynamics

*Tuesday, 21 May 2013 10:00 (30 minutes)*

**Primary author:** Prof. BERZ, Martin (Michigan State University)

**Presenter:** Prof. BERZ, Martin (Michigan State University)

**Session Classification:** Tuesday Morning I

Contribution ID: 16

Type: **not specified**

## **Accelerating Polarized Protons: Lessons from the AGS and RHIC**

*Tuesday, 21 May 2013 11:00 (45 minutes)*

**Primary author:** Dr BAI, Mei (Brookhaven National Laboratory)

**Presenter:** Dr BAI, Mei (Brookhaven National Laboratory)

**Session Classification:** Tuesday Morning II

Contribution ID: 17

Type: **not specified**

## **Polarimetry at the AGS and RHIC**

*Tuesday, 21 May 2013 11:45 (30 minutes)*

**Primary author:** Dr MAKDISI, Yousef (Brookhaven National Laboratory)

**Presenter:** Dr MAKDISI, Yousef (Brookhaven National Laboratory)

**Session Classification:** Tuesday Morning II

Contribution ID: **18**

Type: **not specified**

## **TMDs and Spin Asymmetries in Drell-Yan**

*Tuesday, 21 May 2013 14:00 (30 minutes)*

**Primary author:** Dr QIU, Jianwei (Brookhaven National Laboratory)

**Presenter:** Dr QIU, Jianwei (Brookhaven National Laboratory)

**Session Classification:** Tuesday Afternoon I

Contribution ID: 19

Type: **not specified**

## **TMD Phenomenology and A<sub>N</sub> in pp Collisions**

*Tuesday, 21 May 2013 14:30 (30 minutes)*

**Primary author:** Prof. D'ALESIO, Umberto (University of Cagliari)

**Presenter:** Prof. D'ALESIO, Umberto (University of Cagliari)

**Session Classification:** Tuesday Afternoon I

Contribution ID: 20

Type: **not specified**

## **Precision Tracking with Runge-Kutta Integration and Benchmarking Progress**

*Wednesday, 22 May 2013 09:00 (30 minutes)*

**Primary author:** Dr SEMERTZIDIS, Yannis (Brookhaven National Laboratory)

**Presenter:** Dr SEMERTZIDIS, Yannis (Brookhaven National Laboratory)

**Session Classification:** Wednesday Morning I

Contribution ID: 21

Type: **not specified**

## **Precision Tracking of Beam Dynamics: COSY-Infinity**

*Wednesday, 22 May 2013 09:30 (30 minutes)*

**Primary author:** Prof. MAKINO, Kyoko (Michigan State University)

**Presenter:** Prof. MAKINO, Kyoko

**Session Classification:** Wednesday Morning I

Contribution ID: 22

Type: **not specified**

## **A Polarized Proton Source for Fermilab**

*Tuesday, 21 May 2013 13:30 (30 minutes)*

**Primary author:** Prof. BELOV, Alexander (JINR)

**Presenters:** Prof. BELOV, Alexander (JINR); Dr RAYMOND, Richard (University of Michigan)

**Session Classification:** Tuesday Afternoon I

Contribution ID: 23

Type: **not specified**

## **Polarized Target R&D II**

*Wednesday, 22 May 2013 13:30 (30 minutes)*

**Primary author:** Prof. MIYACHI, Yoshiyuki (Yamagata University)

**Presenter:** Prof. MIYACHI, Yoshiyuki (Yamagata University)

**Session Classification:** Wednesday Afternoon I

Contribution ID: 24

Type: **not specified**

## **Polarized Target R&D I**

*Wednesday, 22 May 2013 11:30 (30 minutes)*

**Primary author:** Dr LIU, Kun (Los Alamos National Laboratory)

**Presenter:** Dr LIU, Kun (Los Alamos National Laboratory)

**Session Classification:** Wednesday Morning II

Contribution ID: 25

Type: **not specified**

## **Polarized Drell-Yan at PAX**

*Wednesday, 22 May 2013 15:00 (30 minutes)*

**Primary author:** Prof. RATHMANN, Frank (Forschungszentrum Juelich)

**Presenter:** Prof. RATHMANN, Frank (Forschungszentrum Juelich)

**Session Classification:** Wednesday Afternoon II

Contribution ID: 26

Type: **not specified**

## **Opportunities for Spin Physics at NICA**

*Wednesday, 22 May 2013 14:00 (30 minutes)*

**Primary author:** Prof. KOUZNETSOV, Oleg (JINR)

**Presenter:** Prof. KOUZNETSOV, Oleg (JINR)

**Session Classification:** Wednesday Afternoon I

Contribution ID: 27

Type: **not specified**

## **Kane Pumplin Repko Factorization and Precision Tests of Collins Conjugation**

*Wednesday, 22 May 2013 15:30 (30 minutes)*

**Primary author:** Dr SIVERS, Dennis (Portland Physics Institute/University of Michigan)

**Presenter:** Dr SIVERS, Dennis (Portland Physics Institute)

**Session Classification:** Wednesday Afternoon II

Contribution ID: 28

Type: **not specified**

## **Leapfrog Tracking of the Electrostatic Ring for the pEDM**

*Wednesday, 22 May 2013 10:00 (30 minutes)*

**Primary author:** Dr LUCCIO, Alfredo (Brookhaven National Laboratory)

**Presenter:** Dr LUCCIO, Alfredo (Brookhaven National Laboratory)

**Session Classification:** Wednesday Morning I

Contribution ID: 29

Type: **not specified**

## **Resurrecting the 1955 Brookhaven All-Electric AGS Electron Analogue Ring**

*Wednesday, 22 May 2013 11:00 (30 minutes)*

**Primary author:** Prof. TALMAN, Richard (Cornell University)

**Presenter:** Prof. TALMAN, Richard (Cornell University)

**Session Classification:** Wednesday Morning II

Contribution ID: 30

Type: **not specified**

## **Opportunity for a Polarized Target Drell-Yan Experiment at Fermilab**

*Tuesday, 21 May 2013 15:30 (15 minutes)*

**Primary author:** Dr LIU, Ming (Los Alamos National Lab)

**Presenter:** Dr LIU, Ming (Los Alamos National Lab)

**Session Classification:** Open Discussion and Informal Presentations