CLAS COLLABORATION AI SESSION INTRODUCTION

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CHRISTOPHER NEWPORT UNIVERSITY

Jefferson Lab
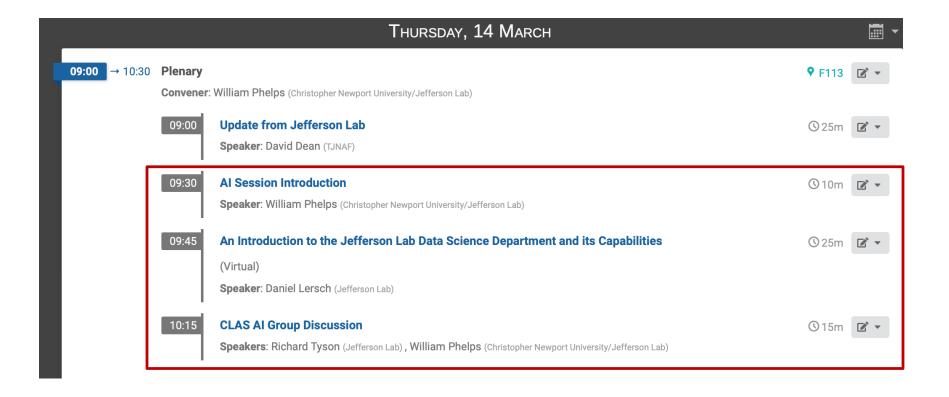Thomas Jefferson National Accelerator Facility
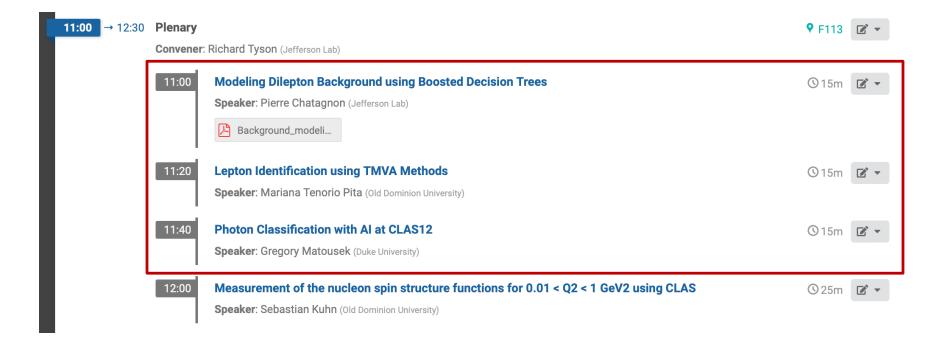
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AI Session Introduction

- We wanted to highlight some ongoing AI activities at the lab and within our collaboration
  - Invited Guest Speaker from the Data Science Group
- Discuss the formation of an AI Group that meets regularly

Obligatory Dall-E 3 Image

Morning Session I

Morning Session II

11:00 → 12:30	**Plenary**	📍 F113

Convener: Richard Tyson (Jefferson Lab)

11:00	**Modeling Dilepton Background using Boosted Decision Trees**	⏱ 15m

Speaker: Pierre Chatagnon (Jefferson Lab)

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11:20	**Lepton Identification using TMVA Methods**	⏱ 15m

Speaker: Mariana Tenorio Pita (Old Dominion University)

11:40	**Photon Classification with AI at CLAS12**	⏱ 15m

Speaker: Gregory Matousek (Duke University)

12:00	**Measurement of the nucleon spin structure functions for 0.01 < Q2 < 1 GeV2 using CLAS**	⏱ 25m

Speaker: Sebastian Kuhn (Old Dominion University)

Morning Session 2.5

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11:40 Photon Classification with AI at CLAS12   15m

Speaker: Gregory Matousek (Duke University)

12:00 Measurement of the nucleon spin structure functions for 0.01 < Q2 < 1 GeV2 using CLAS 25m

Speaker: Sebastian Kuhn (Old Dominion University)

EG-4 Long Paper

RG-D End of Run Party and Trivia Reminder

Jefferson Lab   clas

Tomorrow: 2-5pm

End of Run Group D Party

Join us for a celebration marking the successful completion of Run Group D

Date: March 15, 2024
Time: 2:00 PM - 5:00 PM
Venue: Residence Facility

For more info, please contact Lamiaa El Fassi (le334@msstate.edu)

- **Physics and CLAS Trivia**
  - **When:** Today at ~5:30pm
  - **Where:** Tradition Brewing
  - **Who:** Everyone is invited
  - **What:** Trivia
    - 5 rounds of 5 questions, with one picture round.
    - Most likely people will go for dinner afterwards.

Organized by Student/Postdoc Group

November 2023 SLAM Event