

# **2023 SPS Zone 4 Meeting**

Friday, March 31, 2023 - Saturday, April 1, 2023

Jesse Beams Laboratory

## **Book of Abstracts**



# Contents

UVA SPS - Weekly Meeting . . . . . 1

Breakfast Social . . . . . 1

$\alpha_s$  Extraction for EIC Using the Bjorken Sum Rule . . . . . 1

Hydroponic Greenhouse for growing Lettuce . . . . . 1



**Early Events / 2**

**UVA SPS - Weekly Meeting**

**Corresponding Author:** dwu5cp@virginia.edu

**Saturday Morning / 3**

**Breakfast Social**

**Corresponding Author:** dwu5cp@virginia.edu

**6**

**$\alpha_s$  Extraction for EIC Using the Bjorken Sum Rule**

**Author:** Darren Upton<sup>1</sup>

<sup>1</sup> *University of Virginia*

A projection for extracting the strong coupling constant  $\alpha_s$  at the EIC using the Bjorken Sum Rule

**7**

**Hydroponic Greenhouse for growing Lettuce**

**Author:** Nathaniel Bungler<sup>1</sup>

<sup>1</sup> *NVCC*

The NVCC SPS chapter has created a hydroponic greenhouse that relies on solely water and has no soil. We will display the various stages of building it, some of our failures and our triumphs.