

**Early Career Scientist retreat**

**Report of Contributions**

Contribution ID: 2

Type: **not specified**

## Introduction

*Friday, 9 September 2022 09:00 (12 minutes)*

**Presenter:** GAO, Haiyan (BNL)

**Session Classification:** Introduction Session

Contribution ID: 3

Type: **not specified**

## **Introduction of Accelerator Physics**

*Friday, 9 September 2022 09:12 (12 minutes)*

**Presenter:** FISCHER, Wolfram (BNL)

**Session Classification:** Introduction Session

Contribution ID: 4

Type: **not specified**

## **Introduction of Nuclear Physics**

*Friday, 9 September 2022 09:24 (12 minutes)*

**Presenter:** DUNLOP, James (Brookhaven National Laboratory)

**Session Classification:** Introduction Session

Contribution ID: 5

Type: **not specified**

## **Introduction of High Energy Physics**

*Friday, 9 September 2022 09:36 (12 minutes)*

**Presenter:** MA, Hong (BNL)

**Session Classification:** Introduction Session

Contribution ID: 6

Type: **not specified**

## Introduction of Isotope Program

*Friday, 9 September 2022 09:48 (12 minutes)*

**Presenter:** CUTLER, Cathy (BNL)

**Session Classification:** Introduction Session

Contribution ID: 7

Type: **not specified**

## **The higgs boson: a probe into the unknown**

*Friday, 9 September 2022 10:30 (10 minutes)*

remote

**Presenter:** CAVALIERE, Viviana (Brookhaven National Lab)

**Session Classification:** Flash talk session 1

Contribution ID: 9

Type: **not specified**

## **Exploring emergent properties of QCD with streaming data**

*Friday, 9 September 2022 10:40 (10 minutes)*

remote

**Presenter:** OSBORN, Joe (Brookhaven National Laboratory)

**Session Classification:** Flash talk session 1



Contribution ID: 11

Type: **not specified**

## Shining light on the glues that bind us all

*Friday, 9 September 2022 11:30 (10 minutes)*

remote

**Presenter:** TU, Zhoudunming (BNL)

**Session Classification:** Flash talk session 1

Contribution ID: 12

Type: **not specified**

## **Development of Laser Ion Source**

*Friday, 9 September 2022 11:00 (10 minutes)*

remote

**Presenter:** IKEDA, Shunsuke

**Session Classification:** Flash talk session 1

Contribution ID: 13

Type: **not specified**

## **Data Popularity and Placement Optimization at the Data Center**

*Friday, 9 September 2022 11:10 (10 minutes)*

In-person

**Presenter:** HUANG, Qiulan

**Session Classification:** Flash talk session 1

Contribution ID: 15

Type: **not specified**

## Coherent Electron Cooling Simulation

*Friday, 9 September 2022 11:20 (10 minutes)*

In-person

**Presenter:** MA, Jun

**Session Classification:** Flash talk session 1

Contribution ID: 16

Type: **not specified**

## What carries the baryon quantum number

*Friday, 9 September 2022 10:50 (10 minutes)*

In-person

**Presenter:** TRIBEDY, Prithwish (BNL)

**Session Classification:** Flash talk session 1

Contribution ID: 20

Type: **not specified**

## **Cryogenics Readout Electronics Systems for Liquid Argon TPCs in Neutrino Experiments**

*Friday, 9 September 2022 14:00 (10 minutes)*

In-person

**Presenter:** GAO, Shanshan (Brookhaven Lab)

**Session Classification:** Flash talk session 2

Contribution ID: 22

Type: **not specified**

## **TDAQ system for the Phase-I/II Upgrade of ATLAS Experiment**

*Friday, 9 September 2022 14:10 (10 minutes)*

In-person

**Presenter:** TANG, Shaochun (BNL)

**Session Classification:** Flash talk session 2

Contribution ID: 23

Type: **not specified**

## Panel on "Career Development at BNL"

*Friday, 9 September 2022 13:00 (1 hour)*

**Panelists:**

Maria Chamizo Llatas

Sally Dawson - remote

Hong Ma

Michiko Minty - in-person

Peter Petreczky

**Presenters:** MA, Hong (BNL); CHAMIZO, Maria (BNL); MINTY, Michiko (Brookhaven National Laboratory); PETRECZKY, Peter (BNL); DAWSON, Sally (BNL)



Contribution ID: 24

Type: **not specified**

## **Sequential Upsilon suppression in Au+Au collisions**

*Friday, 9 September 2022 14:20 (10 minutes)*

In-person

**Presenter:** MA, Rongrong (Brookhaven National Laboratory)

**Session Classification:** Flash talk session 2

Contribution ID: 25

Type: **not specified**

## **Precision theory for colliders and beyond**

*Friday, 9 September 2022 14:30 (10 minutes)*

In-person

**Presenter:** SZAFRON, Robert (Brookhaven National Laboratory)

**Session Classification:** Flash talk session 2

Contribution ID: 26

Type: **not specified**

## **Progress on cathode R&D for high intensity electron source in support of EIC**

*Friday, 9 September 2022 14:40 (10 minutes)*

remote

**Presenter:** GAOWEI, Mengjia (Brookhaven National Laboratory)

**Session Classification:** Flash talk session 2