Physics Department Summer Lectures 2025

Report of Contributions

https://indico.bnl.gov/e/27716

Contribution ID: **1** Type: **not specified**

Standard Model: Necessary but not Sufficient.

Monday 9 June 2025 13:30 (1 hour)

Hosted by: Robert Szafron

Presenter: DAVOUDIASL, Hooman (Brookhaven National Laboratory)

Contribution ID: **2** Type: **not specified**

Introduction to Flavor Physics

Monday 23 June 2025 13:30 (1 hour)

Hosted by: Robert Szafron

Presenter: HERNANDEZ VILLANUEVA, Michel (BNL)

Contribution ID: **3** Type: **not specified**

Re-Engineering the Big Bang: The Physics of Heavy Ion Collisions

Monday 16 June 2025 14:00 (1 hour)

Hosted by: Rachid Nouicer

Presenter: DUNLOP, James (Brookhaven National Laboratory)

Contribution ID: **4** Type: **not specified**

Introduction to QCD and spin physics

Monday 30 June 2025 13:30 (1 hour)

Hosted by: Peter Petreczky

Presenter: HATTA, Yoshitaka (BNL)

Contribution ID: **5** Type: **not specified**

Introduction Neutrino Physics

Monday 7 July 2025 13:30 (1 hour)

Hosted by: Mateus Carneiro

Presenter: JO, Jay Hyun (Brookhaven National Laboratory)

Contribution ID: **6** Type: **not specified**

Introduction to Cosmology

Monday 14 July 2025 13:30 (1 hour)

Hosted by: Robert Szafron

Presenter: STANKUS, Paul

Contribution ID: **7** Type: **not specified**

Physics of the Beauty (quark) and the Higgs (boson) at the LHC

Monday 21 July 2025 13:30 (1 hour)

Hosted by: Stefania Stucci

Presenter: PIACQUADIO, Giacinto (SBU)

Contribution ID: **8** Type: **not specified**

Physics at Electron-Ion Collider

Monday 28 July 2025 13:30 (1 hour)

Hosted by: Rachid Nouicer

Presenter: ULLRICH, Thomas (BNL)

Contribution ID: **9** Type: **not specified**

Welcome Remarks

Monday 9 June 2025 13:15 (10 minutes)

Presenter: MA, Hong (BNL)

Contribution ID: **10** Type: **not specified**

Sambamurti Lecture-“The Final Mission of RHIC: Unveiling the Last Chapter of the Quark-Gluon Plasma with sPHENIX”

Thursday 31 July 2025 13:30 (1 hour)

Hosted by: John Haggerty

https://sambamurti.phy.bnl.gov/

Presenter: PARK, Jaebeom