Pathway Fermilab and Brookhaven Summer School - BNL Neutrino Week

Report of Contributions

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

Onboarding and badging

Monday 3 July 2023 08:00 (1 hour)

Students will get a badge and some introductory materials.

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

Roundtable introductions and Computing setup

Monday 3 July 2023 09:00 (1 hour)

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

Mathematica UNIT 1: Introduction

Monday 3 July 2023 10:00 (1 hour)

Initial introduction to problem solving by computer.

Presenter:　DIWAN, Milind Vaman (Brookhaven National Laboratory (US))

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

Mathematica UNIT 2: Basics

Monday 3 July 2023 11:00 (1 hour)

Introduction to using Mathematica to solve problems.

Presenter:　DIWAN, Milind Vaman (Brookhaven National Laboratory (US))

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

Lunch

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

Mathematica UNIT 3: Mechanics

Monday 3 July 2023 13:30 (1 hour)

Simple mechanics, astronomy, calculate the amount of matter in our galaxy.

Presenter:　DIWAN, Milind Vaman (Brookhaven National Laboratory (US))

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

RHIC/Magnet Division Tours

Monday 3 July 2023 14:30 (1h 30m)

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

Mathematica UNIT 4: Electromagnetism

Wednesday 5 July 2023 09:00 (1h 30m)

Presenter: DIWAN, Milind Vaman (Brookhaven National Laboratory (US))

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

Mathematica UNIT 5: Statistics

Wednesday 5 July 2023 10:30 (1h 30m)

Presenter:　DIWAN, Milind Vaman (Brookhaven National Laboratory (US))

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

Mathematica UNIT 6: Neutrino Oscillations

Wednesday 5 July 2023 13:30 (1h 30m)

Presenter: DIWAN, Milind Vaman (Brookhaven National Laboratory (US))

Contribution ID: **11**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

BLIP/Isotope production/Actinium 225/Scintillation lab Tours

Wednesday 5 July 2023 15:00 (1h 30m)

Contribution ID: **12**
Type: **not specified**

Activities Review and Q&A

Thursday 6 July 2023 09:00 (1 hour)

Authors: Dr F. CARNEIRO, Mateus (Brookhaven National Laboratory); Dr F. CARNEIRO, Mateus (Brookhaven National Laboratory)

Presenters: Dr F. CARNEIRO, Mateus (Brookhaven National Laboratory); Dr F. CARNEIRO, Mateus (Brookhaven National Laboratory)

Contribution ID: **13**   Type: **not specified**

Meet STEM professionals

Thursday 6 July 2023 10:00 (1 hour)

Contribution ID: **14**　　　　　　　　　　　　　　　　　　　Type: **not specified**

Talk: What is C14?

Thursday 6 July 2023 11:00 (1 hour)

Contribution ID: **15**   Type: **not specified**

NNDC visit and exercises

Thursday 6 July 2023 13:30 (3 hours)

Contribution ID: **16**   Type: **not specified**

Talk: Reactor Neutrinos

Friday 7 July 2023 09:00 (1 hour)

Author: Dr ZHANG, Chao (Brookhaven National Laboratory)

Presenter: Dr ZHANG, Chao (Brookhaven National Laboratory)

Contribution ID: **17**   Type: **not specified**

Meet Interns in Nuclear/Particle Physics group

Friday 7 July 2023 11:00 (1 hour)

Contribution ID: 18
Type: **not specified**

Talk: Detector Technologies

Friday 7 July 2023 10:00 (1 hour)

Author: LINDEN, Steven

Presenter: LINDEN, Steven

Contribution ID: **19**　　　　　　　　　　　　　　　　　　Type: **not specified**

Water based Liquid Scintillator 1-ton Detector Experience

Friday 7 July 2023 13:30 (3 hours)

Visit to the 1-ton Water-based Liquid Scintillator (WbLS) detector in the Instrumentation Division. Students will be divided in 4 groups. Each group will take 15-20 minutes of data with the detector and later analyze it.

Authors:　LAWLEY, Gannon;　VICENZI, Matteo (Brookhaven National Laboratory)

Co-author:　YANG, Guang

Presenters:　LAWLEY, Gannon;　YANG, Guang;　VICENZI, Matteo (Brookhaven National Laboratory)