

Mini Town Meeting on NSAC Long Range Plan - Hybrid

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction from Haiyan on LRP process

Thursday 8 September 2022 08:30 (5 minutes)

Presenter: GAO, Haiyan (BNL)

Contribution ID: **10**

Type: **not specified**

Discussion and Summary

Thursday 8 September 2022 13:30 (1 hour)

Presenter: GAO, Haiyan (BNL)

Contribution ID: 12

Type: **not specified**

Search for baryon junction in heavy-ion and electron-ion collisions

Thursday 8 September 2022 08:36 (8 minutes)

Presenter: TRIBEDY, Prithwish (BNL)

Session Classification: Hot and Cold QCD

Contribution ID: 13

Type: **not specified**

Imaging Nuclear Structure and QGP Initial Condition with Heavy ion Collisions

Thursday 8 September 2022 08:44 (8 minutes)

Presenter: JIANGYONG, Jia (stony brook university & BNL)

Session Classification: Hot and Cold QCD

Contribution ID: 14

Type: **not specified**

Quantum entanglement enabled nuclear tomography

Thursday 8 September 2022 08:52 (8 minutes)

Presenter: BRANDENBURG, Daniel (Brookhaven National Laboratory)

Session Classification: Hot and Cold QCD

Contribution ID: 15

Type: **not specified**

UPC@LHC Contributions to EIC science

Thursday 8 September 2022 09:00 (8 minutes)

Presenter: STEINBERG, Peter (BNL)

Session Classification: Hot and Cold QCD

Contribution ID: 16

Type: **not specified**

Gluonic structure of nucleon and nuclei at RHIC and at the EIC

Thursday 8 September 2022 09:08 (8 minutes)

Presenter: TU, Zhoudunming (BNL)

Session Classification: Hot and Cold QCD

Contribution ID: **18**

Type: **not specified**

Completing the RHIC science mission

Thursday 8 September 2022 09:16 (8 minutes)

Presenter: MORRISON, David (BNL)

Session Classification: Hot and Cold QCD

Contribution ID: **19**

Type: **not specified**

Theory at the Long Range Plan

Thursday 8 September 2022 09:24 (8 minutes)

Presenter: PETRECKZY, Peter (BNL)

Session Classification: Hot and Cold QCD

Contribution ID: 20

Type: **not specified**

Detector-II and R&D Efforts

Thursday 8 September 2022 09:48 (8 minutes)

Presenter: ULLRICH, Thomas (BNL)

Session Classification: Hot and Cold QCD

Contribution ID: 21

Type: **not specified**

Neutrinoless Double Beta Decay Search with nEXO

Thursday 8 September 2022 09:56 (8 minutes)

Presenter: CHIU, Mickey (Brookhaven National Lab)

Session Classification: Fundamental Symmetries and neutrinos

Contribution ID: 22

Type: **not specified**

Neutrinoless Double Beta Decay Nuclear Matrix Elements

Thursday 8 September 2022 10:04 (8 minutes)

Presenter: DENTON, Peter

Session Classification: Fundamental Symmetries and neutrinos

Contribution ID: 23

Type: **not specified**

Physics opportunities enabled by streaming DAQ and AI

Thursday 8 September 2022 10:32 (8 minutes)

Presenter: HUANG, Jin (Brookhaven National Lab)

Session Classification: Computing including AI/ML

Contribution ID: 24

Type: **not specified**

Computational Nuclear Physics

Thursday 8 September 2022 10:40 (8 minutes)

Presenter: MUKHERJEE, Swagato (Brookhaven National Laboratory)

Session Classification: Computing including AI/ML

Contribution ID: 25

Type: **not specified**

The Proposed High Energy Effects Test Facility

Thursday 8 September 2022 10:48 (8 minutes)

Presenter: BROWN, Kevin (C-AD)

Session Classification: Accelerator and Detector Science

Contribution ID: 26

Type: **not specified**

High intensity electron beams (for EIC and other applications)

Thursday 8 September 2022 10:56 (8 minutes)

Presenter: FEDOTOV, Alexei (Collider-Accelerator Department, BNL)

Session Classification: Accelerator and Detector Science

Contribution ID: 27

Type: **not specified**

Status of Polarized e-Source Work for the EIC Pre-Injector

Thursday 8 September 2022 11:04 (8 minutes)

Presenter: SKARITKA, John (BNL)

Session Classification: Accelerator and Detector Science

Contribution ID: 28

Type: **not specified**

AI/ML for accelerator operations

Thursday 8 September 2022 11:12 (8 minutes)

Presenter: HOFFSTAETTER, Georg (Cornell)

Session Classification: Accelerator and Detector Science

Contribution ID: 29

Type: **not specified**

Synchrotron design with fixed field magnets

Thursday 8 September 2022 11:20 (8 minutes)

Presenter: TRBOJEVIC, Dejan (CAD)

Session Classification: Accelerator and Detector Science

Contribution ID: **30**

Type: **not specified**

Center for Linac Isotope Production (CLIP)

Thursday 8 September 2022 11:52 (8 minutes)

Presenter: RAPARIA, Deepak (BNL)

Session Classification: Isotope Science

Contribution ID: **31**

Type: **not specified**

Clinical Alpha radionuclide producer (CARP)

Thursday 8 September 2022 12:00 (8 minutes)

Presenter: CUTLER, Cathy (BNL)

Session Classification: Isotope Science

Contribution ID: 32

Type: **not specified**

Future R&D needs

Thursday 8 September 2022 12:08 (8 minutes)

Presenter: CUTLER, Cathy (BNL)

Session Classification: Isotope Science

Contribution ID: 33

Type: **not specified**

EIC/CAD initiatives in the context of the LRP

Thursday 8 September 2022 12:16 (8 minutes)

Presenters: HERNANDEZ, Kayla (Brookhaven National Laboratory); VERDÚ-ANDRÉS, Silvia (Brookhaven National Laboratory (BNL))

Session Classification: DEI and Education

Contribution ID: 34

Type: **not specified**

The NuSTEAM Program at BNL

Thursday 8 September 2022 12:24 (8 minutes)

Presenter: RUAN, Lijuan (Brookhaven National Laboratory)

Session Classification: DEI and Education

Contribution ID: 35

Type: **not specified**

Edward Bouchet Initiative

Thursday 8 September 2022 12:32 (8 minutes)

Presenters: DESHPANDE, Abhay (Stony Brook University & BNL); DESHPANDE, Abhay (Stony Brook University)

Session Classification: DEI and Education

Contribution ID: 36

Type: **not specified**

BNL PREP-NPT

Thursday 8 September 2022 12:40 (8 minutes)

Presenter: CHIU, Mickey (Brookhaven National Lab)

Session Classification: DEI and Education

Contribution ID: 37

Type: **not specified**

Jets photoproduction in ultraperipheral collisions at RHIC

Thursday 8 September 2022 09:32 (8 minutes)

Presenter: CHU, Xiaoxuan (BNL)

Session Classification: Hot and Cold QCD

Contribution ID: **38**

Type: **not specified**

EIC synergies with HEP

Thursday 8 September 2022 11:28 (8 minutes)

Presenter: CHAMIZO, Maria (BNL)

Session Classification: Accelerator and Detector Science

Contribution ID: 39

Type: **not specified**

Nuclear Data needs for the future of space exploration

Thursday 8 September 2022 11:44 (8 minutes)

Presenter: NOBRE, Gustavo (BNL)

Session Classification: Nuclear data

Contribution ID: 40

Type: **not specified**

Open Nuclear Data

Thursday 8 September 2022 11:36 (8 minutes)

Presenter: MCCUTCHAN, Elizabeth (BNL)

Session Classification: Nuclear data

Contribution ID: 41

Type: **not specified**

Cold QCD: From RHIC Spin to EIC

Thursday 8 September 2022 09:40 (8 minutes)

Presenter: EYSER, Oleg (BNL)

Session Classification: Hot and Cold QCD