NYU Summer Q-Camp:
Final Presentation Schedule

August 27, 2020

Link to Zoom session: https://nyu.zoom.us/j/94281382156

INTRODUCTION

10:00 AM Overview and Acknowledgments - Prof. Javad Shabani

10:15 AM Description of the program:

- *Coding with Qiskit* - Bassel Heiba Elfecky

- *Introduction to Quantum Information Science* - William M. Strickland

- *Experimental Condensed Matter Physics* - Dr. Fatemeh Barati

STUDENT PRESENTATIONS I

10:30 AM Quantum Masters:

- *Modular Exponentiation and the Hard Problems* - Eva Gurra & Lucy Jiao

- *Quantum Teleportation* - Esther Bistricer & Elena Lukac

- *Grover's Algorithm* - Alex Harris & Ashkan Yazdi Zadeh

11:00 AM Quantum Wizards:

- *Elements of Quantum Computing* - Daniil Frantz, Ian Shen-Costello, Sam Shersher

- *Testing Resonators: Path to Gatemon* - Joshua Tong

- *Option Pricing with Qiskit* - Mark Koszykowski

————————— **30 MIN LUNCH** —————————

STUDENT PRESENTATIONS II

12:00 PM Quantum-Plators:

- *Circuit QED Lattices* - Dylan Langone

- *Topological Quantum Compiler* - Arahant Ashok Kumar

12:30 PM Quantum Guardians:

- *Graphene Exfoliation Automation* - Nikki Ebadollahi, Abigail Martucci

- *Optical Microscope* - Eric Berg

1:00 PM Quantum Troopers:

- *Wavefunction Generation as a measure for noise in quantum computing hardware* - Aurelia Brook, Daniel Li, Yuelong Li, Andreas J. Tsantilas

—————————————— **WRAP-UP** ——————————————