Michelson-Morley School on Particle Physics and Cosmology

Physics Department
Case Western Reserve University
Cleveland, OH, USA

June 1-11, 2020

Topics:

- Standard Model of Particle Physics
- Cosmology
- Collider Physics
- Neutrino Physics
- Beyond the Standard Model
- Dark Matter

Lecturers: 6

Organizers: C. Couvalt
            P. Fileviez Perez (chair)
            K. Hinterbichler
            B. Gaffney
            H. Mathur
            G. Starkman
            C. Taylor
            I. Zehavi

Junior Organizing Committee:
            Clara Murgui
            Elliot Golias
            Alexis Plascencia
School Program

Monday - June 1

9:00 Registration and Breakfast

10:00 Welcome & Introduction

10:30 Standard Model - Lecture 1

12:00 Lunch Break

14:00 Standard Model - Lecture 2

15:30 Coffee Break

16:00 - 17:30 Cosmology - Lecture 1

18:30 Welcome Reception
Tuesday - June 2

8:30 Breakfast

9:00 Cosmology - Lecture 2

10:30 Coffee Break

11:00 Standard Model - Lecture 3

12:30 Lunch Break

14:00 Cosmology - Lecture 3

15:30 Coffee Break

16:00 - 18:00 Tutorials
Wednesday - June 3

8:30 Breakfast

9:00 Cosmology - Lecture 4

10:30 Coffee Break

11:00 Standard Model - Lecture 4

12:30 Lunch Break

14:00 Cosmology - Lecture 5

15:30 Coffee Break

16:00 - 17:30 Standard Model - Lecture 5
Thursday - June 4

8:30 Breakfast

9:00 Collider Physics - Lecture 1

10:30 Coffee Break

11:00 Neutrino Physics - Lecture 1

12:30 Lunch Break

14:00 Collider Physics- Lecture 2

15:30 Coffee Break

16:00 - 17:30 Tutorials
Friday - June 5

8:30 Breakfast

9:00 Neutrino Physics - Lecture 2

10:30 Coffee Break

11:00 Collider Physics - Lecture 3

12:30 Lunch Break

14:00 Neutrino Physics - Lecture 3

15:30 Coffee Break

16:00 - 17:30 Collider Physics - Lecture 4
Saturday - June 6

8:30 Breakfast

9:00 Neutrino Physics - Lecture 4

10:30 Coffee Break

11:00 Collider Physics - Lecture 5

12:30 Lunch Break

14:00 Excursion (Rock and Roll Hall of Fame)

Sunday - June 7

11:00 Grill
Monday - June 8

8:30 Breakfast

9:00 DM - Lecture 1

10:30 Coffee Break

11:00 BSM- Lecture 1

12:30 Lunch Break

14:00 DM- Lecture 2

15:30 Coffee Break

16:00 - 17:30 BSM- Lecture 2
Tuesday - June 9

8:30 Breakfast

9:00 DM - Lecture 3

10:30 Coffee Break

11:00 BSM- Lecture 3

12:30 Lunch Break

14:00 DM- Lecture 4

15:30 Coffee Break

16:00 - 17:30 Tutorials
Wednesday - June 10

8:30 Breakfast

9:00 BSM - Lecture 4

10:30 Coffee Break

11:00 DM - Lecture 5

12:30 Lunch Break

14:00 BSM - Lecture 5

15:30 Coffee Break

16:00 - 17:30 DM - Lecture 6
Thursday - June 11

8:30 Breakfast
9:00 Tutorials
10:30 Coffee Break
11:00 DM- Lecture 7
12:30 Lunch Break
14:00 BSM- Lecture 6
15:30 Coffee Break
16:00 - 17:30 BSM- Lecture 7
19:00 Final Reception