

Single Photon Quantum Mechanics Immersion
Dickinson College, June 17-18
Tentative Schedule

Wednesday, June 16 (late afternoon/early evening) or Thursday, June 17 (early morning)

Arrival at Dickinson College

Pick up guest room key

Thursday, June 17

8:00 Breakfast at Holland Union Building (HUB)

9:00 Welcome, introductions, campus and emergency information (Tome Hall 213)

9:30 Overview of Immersion and equipment safety precautions

10:00 Incandescent light correlation experiment

11:00 HeNe laser correlation experiment

12:00 Lunch at HUB

1:30 Spontaneous Parametric Down Conversion (SPDC) correlation experiment

3:30 Break

3:45 Grangier experiment (seeing single photons)

5:30 Discussion and wrap up

6:00 Dinner at HUB or in town

Friday, June 18

7:30 Breakfast at HUB

8:30 Recap of yesterday, introduction to Mach-Zehnder Interferometer (Tome Hall 213)

9:00 Single-photon interference/quantum eraser experiments

12:00 Lunch at HUB

1:30 Discussion/Presentations/Questions

2:30 Equipment lists and breakout groups

3:30 Immersion evaluations

3:45 Formal end of Immersion (for those needing to leave)

3:45 Informal discussions/questions

5:00 Departure