

| Mon                                                  | Tue                                                                                                                                                                                                                                     | Wed                                                                                                                                                                                                                                     | Thu                                                                                                                        | Fri                                                                                                                                      |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <p>May 27</p> <p><b>MEMORIAL DAY<br/>HOLIDAY</b></p> | <p>28 <b>On-campus day</b></p> <p>10:30 Personal Introductions</p> <p>11:00 Intro to the REU program (G. Karagiorgi)</p> <p>12:00 Lunch and walk through campus</p> <p>2:00 REU Lecture: Intro to the Standard Model (R. Mukherjee)</p> | <p>29 <b>First day at Nevis Labs</b></p> <p>9:45 Nevis Orientation and Welcome (G. Karagiorgi)</p> <p>11:00 Ethics Training (W. Seligman, online)</p> <p>12:00 Welcome Lunch</p> <p>1:30 Computing tutorial I (W. Seligman, online)</p> | <p>30</p> <p>9:30 Computing tutorial II (W. Seligman, online)</p> <p>1:30 Computing tutorial III (W. Seligman, online)</p> | <p>31 <b>On-campus day</b></p> <p>9:30 Drop-in Hours for Computing tutorial (W. Seligman, online)</p> <p>12:30 Free to explore NYC!</p>  |
| <p>Jun 3</p>                                         | <p>4</p> <p>3:00 REU Lecture: RARAF (G. Garty)</p> <p>4:00 Lab Tour: RARAF</p>                                                                                                                                                          | <p>5</p>                                                                                                                                                                                                                                | <p>6</p>                                                                                                                   | <p>7 <b>On-campus day</b></p> <p>1:00 REU Lecture: Cosmology (C. Hill)</p> <p>2:00 Lab Tour</p>                                          |
| <p>10</p>                                            | <p>11</p> <p>12:30 REU Lunch</p> <p>3:00 REU Lecture: QFT for Beginners (A. Nicolis)</p>                                                                                                                                                | <p>12</p>                                                                                                                                                                                                                               | <p>13</p>                                                                                                                  | <p>14 <b>On-campus day</b></p> <p>1:00 REU Lecture: Atomic, Molecular, and Optical Physics (T. Zelevinsky)</p> <p>2:00 Lab Tour: AMO</p> |
| <p>17</p>                                            | <p>18</p> <p>3:00 REU Lecture: High Energy Astro with VERITAS/CTA (R. Mukherjee)</p> <p>4:00 Lab Tour: CTA Lab</p>                                                                                                                      | <p>19</p> <p><b>JUNETEENTH<br/>HOLIDAY</b></p>                                                                                                                                                                                          | <p>20</p>                                                                                                                  | <p>21 <b>On-campus day</b></p> <p>1:00 REU Lecture: Condensed Matter &amp; 2D Materials (I. Keren)</p> <p>2:00 Lab tour</p>              |
| <p>24</p> <p><b>Nevis BBQ</b></p>                    | <p>25</p> <p>3:00 REU Lecture: Astrochemistry (D. Savin)</p> <p>4:00 Lab Tour: Astrochemistry</p>                                                                                                                                       | <p>26</p>                                                                                                                                                                                                                               | <p>27</p>                                                                                                                  | <p>28 <b>On-campus day</b></p> <p>1:00 REU Lecture: TBD</p>                                                                              |

# Summer 2024 REU Program Nevis Labs

July/August

| Mon   | Tue                                                                                          | Wed                                      | Thu                                                                                                                                                                   | Fri                                                                                                                                                                                        | Sat                                                      |
|-------|----------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Jul 1 | 2<br>3:00 REU Lecture: ATLAS<br>4:00 Lab Tour                                                | 3                                        | 4<br><br>JULY 4<br>HOLIDAY                                                                                                                                            | 5<br><br>DAY OFF<br>Free to explore NYC!                                                                                                                                                   | 6                                                        |
| 8     | 9<br>3:00 REU Lecture:<br>Neutrino Physics (G.<br>Karagiorgi<br>4:00 Lab Tour                | 10                                       | 11<br><del>12:30 REU Lunch</del>                                                                                                                                      | 12 On-campus day<br>1:00 REU Lecture:<br>Biological systems under<br>physical extremes (O.<br>Sahin)<br>2:00 Lab Tour                                                                      | 13                                                       |
| 15    | 16<br>3:00 REU Lecture: IAXO/<br>GAPS (K. Perez)<br>4:00 Lab Tour: GAPS                      | 17<br><br>Tentative Date for<br>BNL Trip | 18                                                                                                                                                                    | 19 On-campus day<br>1:00 REU Lecture: Dark<br>Matter (M. Murra)<br>2:00 Lab Tour: XENON                                                                                                    | 20                                                       |
| 22    | 23<br>3:00 REU Lecture:<br>GRAMS- Exploring the<br>MeV Sky (I. Safa)<br>4:00 Lab Tour: GRAMS | 24                                       | 25<br>12:30 REU Lunch<br>1:00 Grad School<br>Discussion<br>(G. Karagiorgi & R. Mukherjee)                                                                             | 26 On-campus day<br>1:00 REU Lecture:<br>Plasmas (C. Hansen)                                                                                                                               | 27                                                       |
| 29    | 30                                                                                           | 31                                       | Aug 1 Last days of REU<br>program!<br><u>10:00-12:00 REU student<br/>presentations I</u><br><br>12:00-1:00 Lunch<br><u>1:00-2:30 REU student<br/>presentations II</u> | 2 Last day of REU<br>program!<br><u>10:00-12:00 REU student<br/>presentations III</u><br>12:00 Farewell Lunch<br>Turn in written reports<br>& REU evaluation form<br>2:00 Leave for campus | 3<br><br>Check out of<br>housing<br><br>Return trip home |