

| Lecture Series on Mathematical String Theory |                                                                                   |                        |                                               |                         |                       |
|----------------------------------------------|-----------------------------------------------------------------------------------|------------------------|-----------------------------------------------|-------------------------|-----------------------|
|                                              |                                                                                   |                        |                                               |                         |                       |
| <b>First week</b>                            |                                                                                   |                        |                                               |                         |                       |
| <b>Time</b>                                  | <b>Monday July 2</b>                                                              | <b>Tuesday July 3</b>  | <b>Wednesday July 4</b>                       | <b>Thursday July 5</b>  | <b>Friday July 6</b>  |
| 9:00 - 10:00                                 | B. Siebert                                                                        | B. Siebert             | <b>CERN Press Release<br/>on Higgs Search</b> | E. Zaslow               | P. Aspinwall          |
| 10:00 - 10:30                                | Coffee break                                                                      | Coffee break           |                                               | Coffee break            | Coffee break          |
| 10:30 - 11:30                                | B. Siebert                                                                        | B. Siebert             |                                               | E. Zaslow               | P. Aspinwall          |
| 11:30 - 14:00                                | Lunch break                                                                       | Lunch break            | Lunch break                                   | Lunch break             | Lunch break           |
| 14:00 - 15:00                                | B. Siebert                                                                        | I. Melnikov            | P. Aspinwall                                  | I. Melnikov             |                       |
| 15:00 - 15:30                                | Coffee break                                                                      | Coffee break           | Coffee break                                  | Coffee break            |                       |
| 15:30 - 16:30                                | Show & Tell                                                                       | I. Melnikov            | P. Aspinwall                                  | I. Melnikov             |                       |
|                                              |                                                                                   |                        |                                               |                         |                       |
| <b>Second Week</b>                           |                                                                                   |                        |                                               |                         |                       |
| <b>Time</b>                                  | <b>Monday July 9</b>                                                              | <b>Tuesday July 10</b> | <b>Wednesday July 11</b>                      | <b>Thursday July 12</b> | <b>Friday July 13</b> |
| 9:00 - 10:00                                 | E. Zaslow                                                                         | J. Teschner            | A. Neitzke                                    | V. Shende               | A. Neitzke            |
| 10:00 - 10:30                                | Coffee break                                                                      | Coffee break           | Coffee break                                  | Coffee break            | Coffee break          |
| 10:30 - 11:30                                | E. Zaslow                                                                         | J. Teschner            | A. Neitzke                                    | V. Shende               | A. Neitzke            |
| 11:30 - 14:00                                | Lunch break                                                                       | Lunch break            | Lunch break                                   | Lunch break             | Lunch break           |
| 14:00 - 15:00                                | J. Teschner                                                                       | J. Walcher             | V. Shende                                     | J. Walcher              |                       |
| 15:00 - 15:30                                | Coffee break                                                                      | Coffee break           | Coffee break                                  | Coffee break            |                       |
| 15:30 - 16:30                                | J. Teschner                                                                       | J. Walcher             | V. Shende                                     | J. Walcher              |                       |
| 17:30                                        | Barbecue                                                                          |                        |                                               |                         |                       |
|                                              |                                                                                   |                        |                                               |                         |                       |
| <b>Aspinwall, P.</b>                         | D-Branes, superpotentials and stability                                           |                        |                                               |                         |                       |
| <b>Melnikov, I.</b>                          | Aspects of (0, 2) theories and heterotic strings                                  |                        |                                               |                         |                       |
| <b>Neitzke, A.</b>                           | Wall crossing in supersymmetric gauge theory                                      |                        |                                               |                         |                       |
| <b>Shende, V.</b>                            | Introduction to Khovanov-Rozansky knot homology                                   |                        |                                               |                         |                       |
| <b>Siebert, B.</b>                           | New methods in Gromov-Witten theory and tropical geometry                         |                        |                                               |                         |                       |
| <b>Teschner, J.</b>                          | Liouville theory and Hitchin moduli spaces for applications to gauge theories     |                        |                                               |                         |                       |
| <b>Walcher, J.</b>                           | D-brane superpotentials and mirror symmetry                                       |                        |                                               |                         |                       |
| <b>Zaslow, E.</b>                            | 1. Microlocalization and the Coherent-Constructible Correspondence                |                        |                                               |                         |                       |
|                                              | 2. Reflexive Polytopes, Skeleta, and a perspective on Homological Mirror Symmetry |                        |                                               |                         |                       |