

PROGRAM

Monday April 25th

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| 09.00 am – 09.30 am | Registration | IHP ground floor |
| 09.30 am – 10.30 am | Ashoke Sen | Do all BPS black hole states carry zero angular momentum? |
| 10.30 am – 11.00 am | Coffee break | IHP ground floor |
| 11.00 am – 12.00 pm | Constantin Teleman | Twisted sectors in 2D gauge theory. |
| 12.00 pm – 01.30 pm | Lunch break | |
| 01.30 pm – 02.30 pm | Sergei Gukov | Mock modularity and BPS spectra of 3-manifolds. |
| 02.30 pm – 03.30 pm | Erik Carlsson | Hilbert schemes, combinatorics, and character varieties. |
| 03.30 pm – 04.00 pm | Coffee break | IHP ground floor |
| 04.00 pm – 05.00 pm | Tudor Dimofte | 3d BPS states, monopoles, and a finite version of AGT. |
| 05.00 pm – 06.00 pm | Alexander Braverman | The mathematics of Coulomb branches of 3d and 4d gauge theories. |

Tuesday April 26th

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| 09.30 am – 10.30 am | Balazs Szendroi | Euler characteristics of Hilbert schemes of points of some singular surfaces. |
| 10.30 am – 11.00 am | Coffee break | IHP ground floor |
| 11.00 am – 12.00 Pm | Albrecht Klemm | Elliptic CY 3-fold, refined BPS states and weak Jacobi Forms. |
| 12.00 pm – 01.30 pm | Lunch break | |
| 01.30 pm – 02.30 pm | Ed Segal | Non-abelian GLSMs and Homological Projective Duality for Pfaffians. |
| 02.30 pm – 03.30 pm | Guglielmo Lockhart | 6d BPS strings from various angles. |
| 03.30 pm – 04.00 pm | Coffee break | IHP ground floor |
| 04.00 pm – 05.00 pm | Bernd Siebert | Punctured Gromov-Witten invariants. |
| 05.00 pm – 06.00 pm | Kimyeong Lee | Aspects of 6d Supersymmetric Theories. |
| 06.30 pm – 09.00 pm | Cocktail | IHP ground floor |

Wednesday April 27th

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| 09.30 am – 10.30 am | Piljin Yi | Witten Index, Wall-Crossing, and Threshold Bound States. |
| 10.30 am – 11.00 am | Coffee break | IHP ground floor |
| 11.00 am – 12.00 am | Jim Bryan | Curve counting on Abelian surfaces and threefolds and Jacobi forms. |
| 12.00 pm – 01.30 pm | Lunch break | |

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| 01.30 pm – 02.30 pm | Hans Jockers | Quantum periods of Calabi-Yau fourfolds. |
| 02.30 pm – 03.30 pm | Lothar Göttsche | Refined curve counting. |
| 03.30 pm – 04.00 pm | Coffee break | IHP ground floor |
| 04.00 pm – 05.00 pm | Michele Del Zotto | Categorical Galois Covers and BPS states of 4D N=2 theories. |
| 05.00 pm – 06.00 pm | Kai Behrend | The spectrum of the inertia operator on the motivic Hall algebra. |

Abstracts are available on the website of the trimester « **Program on the mathematics of string theory** »: <https://indico.in2p3.fr/event/11584/page/3>



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