

Schedule (subject to changes)

Monday 10 September

10:25 – 10:30 Opening

10:30 - 11:30 Kentaro Hori “Introduction to string theory and its relation to gauge theories, Part I”

11:30 - 11:50 Tea break

11:50 – 12:50 Kentaro Hori “Introduction to string theory and its relation to gauge theories, Part II”

12:50 – 14:00 Lunch

14:00 – 15:00 Taizan Watari “Particle Physics and Geometric Data for String Compactification”

15:00 – 16:00 Alexander Efimov “Homotopy finiteness of the derived categories of coherent sheaves”

16:00 - 16:10 Tea break

16:10 – 17:10 Arend Bayer “Bridgeland stability conditions and birational geometry of moduli spaces”

Tuesday 11 September

10:30 - 11:30 Taizan Watari "How to understand masses of elementary particles"

11:30 - 11:50 Tea break

11:50 – 12:50 Mauricio Romo “Introduction to Gauged Linear Sigma Models”

12:50 – 14:00 Lunch

14:00 – 15:00 Kentaro Hori "Prediction on derived equivalences from linear sigma models"

15:10 – 16:10 Alexander Kuznetsov “Homological Projective Duality”

16:10 – 16:30 Tea break

16:30 – 17:30 Anton Fonarev "Minimal Lefschetz decompositions for Grassmannians"

18:00 – Reception

Wednesday 12 September

10:30 - 11:30 Mauricio Romo “Two-Sphere Partition Functions and Gromov-Witten Invariants”

11:30 – 11:50 Tea break

11:50 – 12:50 Richard Eager “Quiver Gauge Theories and Calabi-Yau Algebras”

12:50 – 14:00 Lunch

14:00 - Excursion

Thursday 13 September

10:30 - 11:30 Michele Del Zotto “N=2 Supersymmetric Field Theories, and Quivers, I”

11:30 - 11:50 Tea break

11:50 – 12:50 Michele Del Zotto “N=2 Supersymmetric Field Theories, and Quivers, II”

12:50 – 14:00 Lunch

14:00 – 15:00 Yukinobu Toda “Bogomolov-Gieseker type inequality and OSV Conjecture, I”

15:10 – 16:10 Yukinobu Toda “Bogomolov-Gieseker type inequality and OSV Conjecture, II”

16:10 – 16:30 Tea break

16:30 – 17:30 Dmitri Orlov “Derived categories of Burniat surfaces and phantoms”

Evening: conference dinner

Friday 14 September

10:30 - 11:30 Richard Eager “Cyclic Homology and the Superconformal Index”

11:30 - 11:50 Tea break

11:50 – 12:50 Andrey Losev “Einstein and Yang-Mills equations on schemes from String Theory”

12:50 – 14:00 Lunch

14:00 – 15:00 Sergey Galkin “Exceptional collections of four line bundles on Beauville's quotient-product surface”

15:10 – 16:10 Ludmil Katzarkov “Stability Hodge structures and phantoms”

16:10 – 16:30 Tea break

16:30 – 17:30 Kyoji Saito “Partition functions associated with cancellative monoids”