

## “Derived Workshop”

November 6 - 10, 2023

organized by

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*Time measurement: CET*

### • Monday, November 6

09:00 - 09:20	<i>Arrival and Registration</i>
09:25 - 09:30	<i>Welcome by HIM Director Christoph Thiele</i>
09:30 - 10:30	<b>Arend Bayer</b> <i>Non-commutative abelian surfaces and generalised Kummer varieties</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 12:00	<b>Angela Ortega</b> <i>Generic Prym-Torelli Theorem for cyclic coverings of genus 2 curves</i>
12:00 - 14:15	<i>Lunch break</i>
14:15 - 15:15	<b>Igor Burban</b> <i>Algebraic geometry of the torus model of the fractional quantum Hall effect</i>
15:30 - 16:00	<b>Johannes Krah</b> <i>Phantoms and exceptional collections on rational surfaces</i>
16:00 - 16:30	<i>Coffee break</i>
16:30 - 17:30	<b>Michael Wemyss</b> <i>Derived Deformations of Crepant Curves</i>
afterwards	<i>Get-Together</i>

### • Tuesday, November 7

09:30 - 10:30	<b>Paolo Stellari</b> <i>Morita theory for schemes: the interplay between dg and weakly approximable triangulated categories</i>
10:30 - 11:00	<i>Group Photo and Coffee break</i>
11:00 - 12:00	<b>Anna Barbieri</b> <i>Moduli spaces of stability conditions and of quadratic differentials</i>

12:00 - 14:10	<i>Lunch break</i>
14:15 - 15:15	<b>Filippo Viviani</b> <i>On the classification of compactified Jacobians of nodal curves</i>
15:30 - 16:00	<b>Zhiyu Liu</b> <i>Brill-Noether reconstruction for Fano threefolds and applications</i>
16:00 - 16:30	<i>Coffee break</i>
16:30 - 17:30	<b>Marcello Bernardara</b> <i>Semiorthogonal decompositions as markings and autoequivalences</i>

• **Wednesday, November 8**

10:30 - 11:00	<i>Coffee break</i>
11:00 - 12:00	<b>Evgeny Shinder</b> <i>Categorical absorption of singularities and degenerations</i>
12:15 - 12:45	<b>Nebojsa Pavic</b> <i>Categorical absorption of cyclic quotient singularities</i>
	<i>Free afternoon</i>

• **Thursday, November 9**

09:30 - 10:30	<b>Daniele Faenzi</b> <i>Moduli of bundles in low genus, Coble hypersurfaces and degeneracy loci</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 12:00	<b>Chen Jiang</b> <i>Positivity in hyperkähler manifolds via Rozansky–Witten theory</i>
12:00 - 14:15	<i>Lunch break</i>
14:15 - 15:15	<b>Giancarlo Urzúa</b> <i>Categorical aspects of the KSB correspondence I</i>
15:30 - 16:00	<b>James Hotchkiss</b> <i>Brauer groups, twisted derived categories, and Hodge theory</i>
16:00 - 16:30	<i>Coffee break</i>
16:30 - 17:30	<b>Lev Borisov</b> <i>On categorification of GKZ hypergeometric systems (work in progress)</i>

• **Friday, November 10**

09:30 - 10:30	<b>Jenia Tevelev</b> <i>Categorical aspects of the KSB correspondence II</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 12:00	<b>David Rydh</b> <i>Weighted blowups, wall-crossing and weak factorization</i>

12:00 - 14:15 | *Lunch break*

14:15 - 15:15 | **Sebastian Casalaina-Martin**  
*Interactions between derived categories and Hodge theory for threefolds*