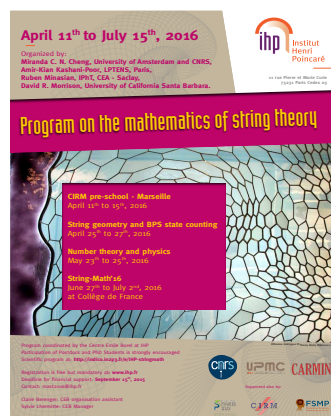


« Program on the mathematics of string theory »
Paris, April 11th – July 15th, 2016

(0,2) models week
Paris, May 30th – June 3rd, 2016

Amphitheater Darboux



Organizers :

Miranda Chih-Ning Cheng (Amsterdam University)

Nick Halmagyi (LPTHE)

Dan Israël (LPTHE)

Amir-Kian Kashani-Poor (LPTENS)

Ruben Minasian (IPhT CEA-Saclay)

David Robert Morrison (UC Santa Barbara)

Jan Troost (LPTENS)

Speakers :

Lara Anderson (Virginia Tech)

Nikolay Bobev (KU Leuven)

Cyril Closset (Stony Brook University)

Ron Donagi (University of Pennsylvania)

James Gray (Virginia Tech)

Stefan Groot Nibbelink (Ludwig-Maximilians-Universität, Munich)

Sergei Gukov (Caltech)

Andre Lukas (University of Oxford)

Iharion Melnikov (James Madison University)

Paul Oehlmann (Virginia Tech)

Ronen Plesser (Duke University)

Matthieu Sarkis (UPMC)

Sakura Schafer-Nameki (King's College)

Eric Sharpe (Virginia Tech)

Eirik Svanes (UPMC)

Carl Tipler (Université de Bretagne Occidentale)

Timo Weigand (Heidelberg University)

PROGRAM

Monday May 30th

09.30 am – 10.00 am	Registration	IHP ground floor
10.00 am – 11.00 am	Lara Anderson	New Evidence for (0,2) Target Space Duality.
11.00 am – 11.30 am	Coffee break	IHP second floor
11.30 am – 12.30 pm	Ilarion Melnikov	Duality and CFTs for three-dimensional heterotic compactifications.
12.30 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Nikolay Bobev	(0,2) SCFTs from Wrapped Branes.
03.00 pm – 03.30 pm	Coffee break	IHP second floor
03.30 pm – 04.30 pm	Stefan Groot Nibbelink	Non-supersymmetric heterotic constructions.

Tuesday May 31st

10.00 am – 11.00 am	Ronen Plesser	Some Aspects of Linear GLSMs.
11.00 am – 11.30 am	Coffee break	IHP second floor
11.30 am – 12.30 Pm	Cyril Closset	Localization in N=(0,2) GLSMs with a Coulomb branch.
12.30 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	Sakura Schafer-Nameki	M5-branes on $M_4 \times S^2$.
03.00 pm – 03.30 pm	Coffee break	IHP second floor
03.30 pm – 04.30 pm	Andre Lukas	Calculating Yukawa Couplings in Heterotic Calabi-Yau Models.
04.30 pm – 05.30 pm	Paul Oehlmann	Tracing symmetries through phases of heterotic (2,2) compactifications.
06.00 pm – 08.00 pm	Reception Cocktail	IHP on ground floor

Wednesday June 1st

10.00 am – 11.00 am	Ron Donagi	Aspects of (0,2) moduli.
11.00 am – 11.30 am	Coffee break	IHP second floor
11.00 am – 12.00 am	Eirik Svanes	The Heterotic Superpotential, Moduli and Masses.

Thursday June 2nd

10.00 am – 11.00 am	Eric Sharpe	Recent advances in quantum sheaf cohomology.
11.00 am – 11.30 am	Coffee break	IHP second floor
11.30 am – 12.30 pm	Matthieu Sarkis	New supersymmetric index of heterotic compactifications with torsion.
12.30 pm – 02.00 pm	Lunch break	
02.00 pm – 03.00 pm	James Gray	Some new results in heterotic compactifications.

03.00 pm – 03.30 pm Coffee break IHP second floor
03.30 pm – 04.30 pm **Timo Weigand** 2d (0,2) theories from F-theory.

Friday June 3rd

10.00 am – 11.00 am **Sergei Gukov** Holographic RG flows for 2d N=(0,2) theories.
11.00 am – 11.30 am Coffee break IHP second floor
11.30 am – 12.30 pm **Carl Tipler** Strominger system, algebroids and moduli.

Abstracts are available on the website of the trimester « **Program on the mathematics of string theory** »: <http://zerotwoinparis.sciencesconf.org/>



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