Hitchin-Ngô ICMAT Lab
Young Researchers Workshop
3 – 4 March 2022 // 10:00 – 13:30
Aula Naranja, ICMAT

Programme

Thursday, 3 March

10:00 - 10:30. "Geometry and topology of character varieties through E-polynomials," Alfonso Zamora

10:30 - 11:00. "Sections of gerbes over Hopf surfaces," Roberto Téllez Domínguez

11:00 - 11:30. Break

11:30 - 12:00. "Special Kähler geometry of the Calabi system," Arpan Saha

12:00 - 12:30. "Moment map equations on toric manifolds and the Calabi problem," King Leung Lee

12:30 - 13:00. "Obstructions to solving the Hull-Strominger system via generalized geometry," Raúl Gonzalez Molina

Friday, 4 March

10:00 - 10:30. "Multiplicative Higgs bundles," Guillermo Gallego

10:30 - 11:00. "A Prym-Narasimhan-Ramanan construction of principal bundle fixed points," Guillermo Barajas

11:00 - 11:30. "Intersection cohomology of character varieties and moduli spaces of Higgs bundles," Mathieu Ballandras

11:30 - 12:00. Break

12:00 - 12:30. "(0,2) Mirror Symmetry on homogeneous Hopf surfaces," Andoni De Arriba de La Hera

12:30 - 13:00. "On the geometry of moduli spaces of parabolic bundles and other decorated bundles," David Alfaya

13:00 - 13:30. "Kahler-Yang-Mills-Higgs equations and dimensional reduction," Jesus Aguado