

List of Publications - Francesco Sala

Preprints

1. *Cohomological Hall algebra of Higgs sheaves on a curve* (with Olivier Schiffmann). arXiv:1801.03482.
2. *Hall algebra of the infinite root stack of a curve and a geometric model for $U_q(\widehat{\mathfrak{sl}}(\mathbb{Q}/\mathbb{Z}))$* (with Olivier Schiffmann). arXiv:1711.07391.

Published Papers

1. *Instantons and framed sheaves on Kähler Deligne-Mumford stacks* (with Philippe Eyssidieux). *Annales de la Faculté des Sciences de Toulouse*, to appear.
2. *AGT relations for abelian quiver gauge theories on ALE spaces* (with Mattia Pedrini and Richard J. Szabo). *Journal of Geometry and Physics*, 2016, 103, 43-89.
3. *Framed sheaves on root stacks and supersymmetric gauge theories on ALE spaces* (with Ugo Bruzzo, Mattia Pedrini and Richard J. Szabo). *Advances in Mathematics*, 2016, 288, 1175–1308.
4. *$\mathcal{N} = 2$ quiver gauge theories on A-type ALE spaces* (with Ugo Bruzzo and Richard J. Szabo). *Letters in Mathematical Physics*, 2014, 105, no. 3, 401-445.
5. *Framed sheaves on projective stacks* (with Ugo Bruzzo). *Advances in Mathematics*, 2015, 272, 20-95.
6. *Restriction theorems for μ -(semi)stable framed sheaves*. *Journal of Pure and Applied Algebra*, 2013, 217, no. 12, 2320-2344.
7. *Symplectic structures on moduli spaces of framed sheaves on surfaces*. *Central European Journal of Mathematics*, 2012, 10, no. 4, 1455-1471.
8. *Some topics in the geometry of framed sheaves and their moduli spaces*. Ph.D. Dissertation. SISSA, Trieste, Italy and Université Lille 1, France (2011).

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