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(Orsay)

Titre : ACM bundles on cubic hypersurfaces

Résumé : In this talk, I will use Kuznetsov's description of the derived category of a smooth cubic hypersurface to give a new construction of some stable ACM bundles on cubic threefolds and cubic fourfolds containing a plane. I will also present a wall-crossing phenomenon that allows to relate the compactification of the moduli space of instantons on a cubic threefold with a moduli space of torsion sheaves a non-commutative projective plane. This is a joint work with Emanuele Macrì and Paolo Stellari.