Seminari de Geometria Algebraica 2016-2017 (UB-UPC-UAB)

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http://www.ub.edu/sga/

Reflexive sheaves with the simplest possible cohomology

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In this talk, we introduce the notion of m-tail reflexive sheaves, i.e. reflexive sheaves on projective spaces with the simplest possible intermediate cohomology. We study the m-tail reflexive sheaves with minimal rank and and their relations with the 0-dimensional schemes on the projective space. Finally, we discuss the general case.

This is a joint work with Laura Costa and Rosa Maria Miró-Roig.