

SEMINARIO DI GEOMETRIA

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Politecnico di Torino,
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ACM sheaves on quadric surfaces

Ever since Horrocks showed that line bundles are the only indecomposable aCM sheaves on the projective space, there have been many studies related to the classification of aCM sheaves on several special varieties. Motivated by the works on quadric surfaces of corank at most one, we classify aCM sheaves of small ranks on quadric surfaces of corank at least two. In this talk, we describe the strategy in this classification.

This is joint works with E. Ballico, F. Malaspina and J. Pons-Llopis.