

SEMINARIO DI GEOMETRIA ALGEBRICA

Mercoledì 14 Maggio 2014 alle ore 11.30

presso **la Sala di Rappresentanza**

del Dipartimento di Matematica dell'Università di Milano

si terrà il seguente seminario:

prof. **Claire Voisin**

(École Polytechnique, Palaiseau)

Further results on modified diagonals

Abstract: The modified diagonals were introduced by Gross-Schoen, studied by Colombo-van Geemen in the case of curves, and they have been reconsidered recently by O'Grady. I will sketch the proof of a conjecture by O'Grady concerning double covers and its generalization to higher degree covers. I will also discuss the case of K3 surfaces and their Hilbert schemes. Using earlier results of Beauville and myself and recent results of Yin, I prove a conjecture of O'Grady on the vanishing of their modified diagonals.