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## Algebra and Number Theory Seminar

## Safia Haloui (Institut de Math. de Luminy, Marseille)

will speak on

## On the number of rational points on some abelian varieties over finite fields

Mon 29th November 2010 at 4:00PM

Location: Mathematical Sciences Seminar Room

Let A be an abelian variety of dimension g defined over GF(q). By Weil conjectures, we have  $(q+1-2q^{(1/2)})^g <= A(GF(q)) <= (q+1+2q^{(1/2)})^g$ . It is actually possible (as for curves) to substitute  $2q^{(1/2)}$  with its interpret and the prevention of the second state of the prevention of the p

This talk is part of the Algebra and Number Theory series. For more, see https://maths.ucd.ie/seminars