RITA JIMENEZ ROLLAND, Universidad Nacional Autónoma de México
Stability for hyperplane complements and statistics over finite fields

In this talk I will discuss a remarkable relationship between the cohomology of hyperplane complements of type A and B/C and the combinatorics of spaces of square free polynomials over a finite field. I will describe the underlying algebraic structure of these cohomology algebras that implies asymptotic stability for statistics over finite fields. This is joint work with Jennifer Wilson.