

Dilluns 5 de maig del 2014, 15:00h

CRM.

---

## Gaussian analytic functions in the unit ball

XAVIER MASSANEDA

Universitat de Barcelona

**ABSTRACT:** We study the fluctuations of linear statistics of hyperbolic Gaussian analytic functions in the unit ball of  $\mathbb{C}^n$ . In particular we estimate the probability of large deviations (with respect to the expected value) of such linear statistics and use these estimates to prove a "hole theorem".

(joint work with Jeremiah Buckley and Bharti Pridhnani)