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**F Baudoin**, **E Nualart** and **C Ouyang\*** (couyang@math.uic.edu), 851 S. Morgan Street, 322 Science and Engineering Offices (M/C 249), Chicago, IL 60607, and **S Tindel**. *Hitting probabilities for stochastic differential systems driven by fractional Brownian motions.*

Study of stochastic differential equations driven by fractional Brownian motions has been an active area of current research for a while. In this talk, we present some results on hitting probabilities of sets by such systems (in terms of Newtonian capacities). In particular, we obtain the critical dimension for such systems to hit a point. (Received January 20, 2015)