## Fast galaxy catalogue generator for Cl analysis

Philippe Baratta Centre de Physique des Particules de Marseille France

I will present a method based on Monte Carlo sampling allowing to quickly generate a galaxy catalogue whose few statistical parameters are controlled: the matter power spectrum of a given cosmology, an arbitrary non gaussian or gaussian probability distribution function and the angular power spectrum (Cl). The main purpose of this work is to numerically predict the covariance matrix of Cl's.