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## Phase harmonics statistics and denoising/components separation

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Phase harmonics statistics are recently developed non-Gaussian statistics, inspired by convolutional neural networks, which characterize the interaction between scales in a given process. It is possible to build from these statistics a realistic generative model of a process from a very limited number of samples. In this talk, I will show how this possibility has allowed the development of new methods for denoising and components separation of different fields related to CMB experiments.

**Auteur principal:** ALLYS, Erwan (LPENS, Paris)

**Orateur:** ALLYS, Erwan (LPENS, Paris)

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