

# DISPERSIVE EQUATIONS ON NONCOMPACT SYMMETRIC SPACES

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## ABSTRACT

This talk aims to present the barycentric decomposition of the Weyl chamber, which allows us to overcome a difficulty in higher rank analysis, namely that the Plancherel density is not a differential symbol in general. Then we talk about its application in the study of dispersive equations. The talk is based on the joint works with Jean-Philippe Anker, Stefano Meda, Vittoria Pierfelice and Maria Vallarino.

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