Microlocal analysis of singular measures

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In this talk I shall present a study of scalar and vectorial measures from a microlocal point of view, by introducing a notion of L^1-regularity wave front set. I shall give several results including a full L^1-elliptic regularity result, properties of the polarisation of vectorial measures constrained by a PDE, as well as a propagation of singularities result. This is a joint work with Nicolas Burq.