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Gabriel Rivière* (gabriel.riviere@math.univ-lille1.fr), Laboratoire Paul Painlevé, UFR de mathématiques, Université Lille 1, 59655 Villeneuve d'Ascq, France. *Conormal cycles of random nodal sets.*

I will discuss asymptotic properties of Gaussian random superposition of Laplace eigenfunctions on a compact Riemannian manifold without boundary. More precisely, I will describe the behaviour of the conormal cycle attached to the corresponding nodal sets. When the dimension is odd, I will show that the expectation of the associated current of integration converges to the pullback of the Riemannian volume. When the dimension is even, I will obtain an upper bound of lower order.

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