CLASSICAL AND QUANTUM RESONANCES FOR LORENTZIAN QUASI-FUCHSIAN MANIFOLDS

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ABSTRACT

We will consider the problem of defining discrete spectra for the space-like geodesic flow of quasi-Fuchsian 3-manifolds, which are quotient of a subset of Anti de Sitter space by certain discrete subgroups of isometries. We use this to show a meromorphic extension of the resolvent of the Lorentzian Laplacian.
This is joint work with Delarue and Monclair.