1035-51-504 **Thierry Barbot*** (Thierry.Barbot@umpa.ens-lyon.fr), UMPA, UMR 5669, École Normale Supérieure de Lyon, 46, Allée d'Italie, 69364 Lyon, France. *Quasi-Fuchsian representations into* SO(2, n).

Let Γ be an uniform lattice in SO(1, n). We study deformations of this inclusion as a representation into SO(2, n), in analogy with the classical study of deformations into SO(1, n + 1). In particular, we define the notion of quasi-Fuchsian representations into SO(2, n). We prove that these representations are precisely Anosov representations in the sense of Labourie. This theory is strongly related to the theory of spatially compact Lorentzian manifolds of constant curvature -1: quasi-Fuchsian representations are holonomy representations of such a Lorentzian manifold. We also give some arguments, aiming to show that, contrary to the Riemannian case, quasi-Fuchsian representations form an entire connected component of the space of representations into SO(2, n).

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