

Boundary and Lens Rigidity for Non Convex Manifolds

(28 February 2018)

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The speaker will show in dimension 2 boundary rigidity and lens rigidity for non-trapping manifold with no conjugate points, but he and his collaborators do not put assumption on the topology and on the convexity of the boundary. In higher dimension, they show that injectivity of X-ray transform under more general assumptions. This is a joint work with Marco Mazzucchelli and Leo Tzou.