Niky Kamran McGill University, Montréal Title: The anisotropic Calderon problem on 3-dimensional conformally Staeckel manifolds

Summary: The anisotropic Calderon problem is to recover the metric of a compact Riemannian manifold with boundary from the knowledge of the Dirichlet-to-Neumann map for the Laplace-Beltrami operator. We consider the anisotropic Calderon problem on a generic class of 3-dimensional conformally Staeckel manifolds, that is manifolds given by the product of a closed interval with a 2-torus, endowed with the most general metric in which the Laplace-Beltrami operator admits a pair of second order commuting symmetry operators, and show that this problem has a unique solution up to some natural gauge equivalences.