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Priyadip Mondal* (prm50@pitt.edu). *Hidden symmetries and Dehn fillings on links in the tetrahedral census.*

A hidden symmetry of a hyperbolic three manifold M is an isometry between finite index covers of M which is not a lift of any self-isometry of M . Neumann and Reid, in 1992, asked whether there are hyperbolic knots apart from the figure-eight knot and the two dodecahedral knots of Aitchison and Rubinstein whose complements have hidden symmetries. This question has motivated a fair amount of recent research on hidden symmetries. In this talk, I will expound the relation of hidden symmetries with certain families of hyperbolic knots obtained from Dehn filling all but one component of tetrahedral links in the Fominykh-Garoufalidis-Goerner-Tarkaev-Vesnina census. (Received September 15, 2020)