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Title: Wildness, partial hyperbolicity, flexible points, and topology of the classes (Joint work with Katsutoshi Shinohara)

Abstract: I will present two examples of diffeomorphisms on 3-manifolds. Both present the same requirement of weak hyperbolicity: partial hyperbolicity  $E^{\{cs\}} \oplus E^{\{uu\}}$ , and volume hyperbolicity. One is a robustly transitive attractor, the other is a wild quasi attractor, accumulated by infinitely many independent saddles.

One of the key arguments for proving the wildness is the existence of flexible periodic points. Both present these flexible points, therefore the opposite behaviors remain somewhat mysterious: for what I understand, these different behaviors seem to come from the global topological settings.