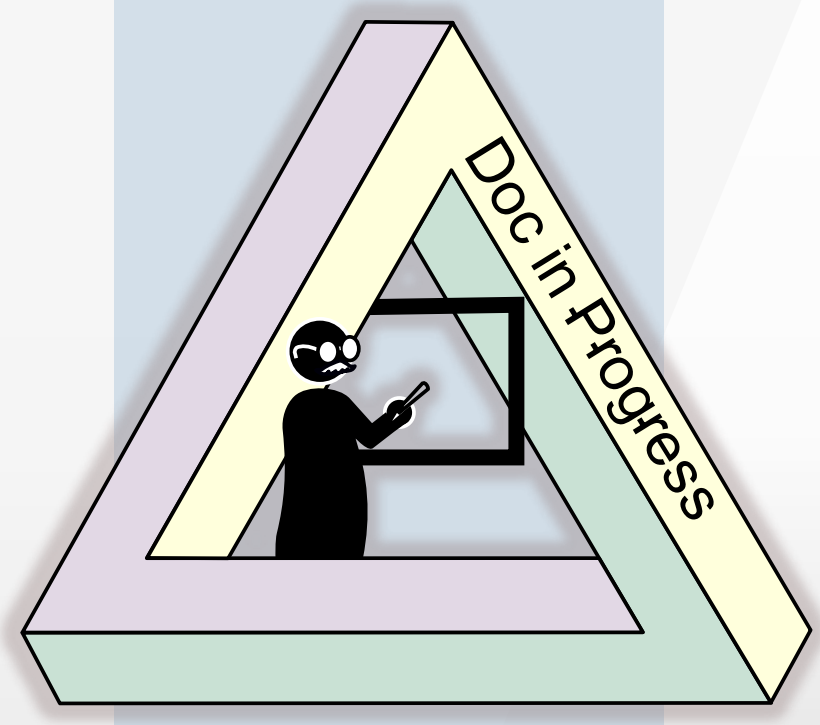
UNIVERSITÀ DI TRENTO



PhD in Mathematics

"Doc in Progress" is pleased to introduce you to

Matteo Zanardini

PhD student

SISSA - Trieste

Rigidity and quantitative rigidity in General Relativity

Abstract:
Rigidity theorems play an important role in Riemannian and Lorentzian geometry. Well-known examples are given by the Splitting Theorems. A natural question is trying to prove quantitative versions of these statements. On the Riemannian side, this problem was solved by Cheeger and Colding with their celebrated Almost-splitting Theorem. In this talk, I will propose a quantitative version of the Lorentzian splitting Theorem under timelike sectional curvature bounds. This talk is based on an ongoing joint work with N. Gigli, M. Graf, R. McCann, A. Ohanyan, E. Woolgar.

When: Wednesday, December 10, 11:30 CET

Where: Aula Seminari 1, Mathematics department (Povo0)

If needed, please contact docinprogress.unitn@gmail.com using an institutional e-mail address to ask for a Zoom streaming of the event.