

The Mathematical Physics Seminar - Semester 2019-2 (01/2019-06/2019)

The seminar is organized by the Quantum Gravity Group at the [CCM-UNAM](#) in Morelia.

| date - time - place | speaker | title (click for abstract) |
|-------------------------|---|---|
| 01-22 - 17:00 - Salón 3 | Daniel Flores (ICN-UNAM) | On magnetic mass and circle n-bundles |
| 01-23 - 17:30 - Salón 6 | Rodrigo Olea (UNAB, Santiago, Chile) | Five-color theorem, black hole mass and pre-holography. |
| 03-27 - 17:30 - Salón 6 | Adam Helfer (University of Missouri, USA) | Quantum field theory and negative energy densities |

Last updated 22 March 2019.

We present the first evidence on the fact that topological invariants should renormalize anti-de Sitter gravity with quadratic-curvature corrections. This argument is based on the computation of energy for Einstein black holes in the theory, which appears as an alternative procedure to linearized methods (e.g., Deser-Tekin formula). (Based on [arXiv:1806.11075](#))