ID de Contribution: **10**   Type: **Invited talk**

Quantum space time engineering

jeudi 11 juin 2015 14:30 (45 minutes)

We will consider lattice gravity approaches such as loop quantum gravity and spin foams, in which quantum geometry is defined via the assignment of quantum geometric variables to a (fixed) lattice. The main problem is then to construct the refinement limit and in this way to loose the dependence on the choice of lattice.

I will discuss a renormalization framework in which such a refinement limit can be constructed and present first results for a range of (toy) theories.

Auteur principal: DITTRICH, Bianca (Perimeter Institute)

Orateur: DITTRICH, Bianca (Perimeter Institute)