

## Gravitation

- 9h00-9h45 Aurelien Barrau : introduction to general relativity and its extensions
- 9h45-10h15 Guillaume Pignol : quantum mechanics in the Newtonian gravitational field
- 10h15-10h45 Break
- 10h45-11h15 Pierre Salati : dark matter or modified gravity ?
- 11h15-11h45 Michal Wrochnam : quantum fields in curved spacetime
- 11h45-12h15 Jakub Mielczarek : a proposal for quantum gravity and possible tests