

Programme on  
“Quantum Physics and Gravity”

May 29 – July 6, 2017

organized by

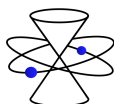
Markus Aspelmeyer (U Vienna), Caslav Brukner (U Vienna), Domenico Giulini (ZARM Bremen, U Hannover), Daniel Grumiller (TU Vienna), Soo-Jong Rey (Seoul National U)


Mini-Workshop on  
“Noncommutative Geometry and Gravity”

organized by

John Barrett (Nottingham U) and Harold Steinacker (U Vienna)

June 8 – 9, 2017



 Action MP 1405  
Quantum Structure of Spacetime



- **Thursday, June 8, 2017**      *“noncommutative geometry & symmetries“*
  - 09:00 – 09:50 **Andrzej Sitarz**  
*Gravity and cosmological models on (almost) noncommutative spaces*
  - 10:00 – 10:50 **Salvatore Minegmi**  
*Generalized Snyder spaces and scalar fields*
  - 11:00 – 11:30 *coffee / tea break*
  - 11:30 – 12:20 **Jerzy Kowalski-Glikman**  
*Quantum symmetries of flat quantum spacetime*
  - 12:30 – 14:30 *lunch break*
  - 14:30 – 15:20 **Catharina Meusburger**  
*Poisson homogeneous spaces in (2+1) gravity*
  - 15:30 – 15:45 *break*
  - 15:45 – 16:35 **Angel Ballesteros**  
*From quantum groups to noncommutative spacetimes with cosmological constant*
  - 16:45 – ...      *discussion*

• **Friday, June 9, 2017**      *"emergent space(time) & gravity"*

09:00 – 09:50 **Bergfinnur Durhuus**  
*Random graphs and discretised gravity*

10:00 – 10:50 **John Barrett**  
*Quantum Non-Commutative Geometry*

11:00 – 11:30 *coffee / tea break*

11:30 – 12:20 **Lisa Glaser**  
*Non-commutative geometry on the computer*

12:30 – 14:30 *lunch break*

14:30 – 15:20 **Harold Steinacker**  
*Higher-spin theory and gravity from fuzzy 4-spheres*

15:30 – 15:45 *break*

15:45 – 16:35 **Maja Buric**  
*Fuzzy de Sitter space*

16:45 – ...      *discussion*

**All talks take place at the ESI, Boltzmann Lecture Hall!**  
**This Mini-Workshop is supported by COST.**