Non-contextuality is a property of classical physics in which the result of a measurement is not affected by other compatible measurements carried out on the same individual system. Since more than forty years it is known that non-contextuality is in conflict with quantum mechanics. This conflict is pointed out by the so-called Kochen-Specker theorem. A distinguishing feature of the Kochen-Specker theorem is that it applies to individual systems, systems for which quantum entanglement does not exist.
Program

Monday morning (03/17):
10:00 - Marek Zukowski; "Remarks on no-go theorems for hidden variables"
Break
11:00 - Ingemar Bengtsson; "Some comments on a recent paper by Howards et. al."

Monday afternoon (03/17):
14:00 - Jan-Åke Larsson; "Noncontextuality inequalities as a quantum-mechanical dimension witness"
Break
15:00 - Breno Marques; "Experimental test of simple Hardy-like proof of quantum contextuality"

Tuesday afternoon (03/18):
14:00 - Adan Cabello; "Quantum correlations: where, how and why"

Wednesday afternoon (03/19):
14:00 - Mohamed Nawareg; "Bounding quantum theory with the exclusivity principle in a two-city experiment"
Break
15:00 - Marcin Wiesniak; "Minimal multipartite entanglement detection"

Location: A3:1003, Albanova University Center.

Organizer: Breno Marques Teixeira & Mohamed Bourennane (Fysikum, SU)