

# **Miniworkshop “From toric to hyperbolic”**

**University of Antwerp, Belgium**

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## **Rearrangement of molecular energy bands: From physical systems to mathematical models**

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There exist a number of simple physical quantum systems (mainly isolated molecules) which show generic qualitative effect: formation of energy bands and rearrangement of energy levels between bands under variation of control parameter. I will explain construction of simple mathematical models describing such generic qualitative phenomena for different classes of physical systems.