

*Title: Revisiting Landau levels problem in noncommutative quantum mechanics*

Abstract: There is a strong research activity in the field of noncommutative (NC) quantum mechanics (QM) for which plenty of interest is focusing on Landau quantization namely NC Landau levels problem. In this talk, we first discuss a general NC quantum mechanical system stressing the difference with equivalent commutative case. These include, known formulations of NC QM and its associated algebra. Next, using the position representation of NC QM in the formalism of generalized coordinates reported by Syed [et.al](#) (2014), the Landau levels problem is again properly analyzed.