



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

INSPEM WEEKLY SEMINAR

26/2018

Date & Time

3rd August 2018, Friday @ 3.15 pm

Venue

**Al-Farabi Seminar Room, Second Floor,
INSPEM**

Presenter

Dr. Nurisya Mohd Shah

Associate Researcher
Laboratory of Computational Sciences and
Mathematical Physics



Topic

**On the energy correction observed in the noncommutative
Landau problem**

Abstract

Landau levels problem is one of a physical realizable model to test the noncommutative features in terms of the noncommutative quantum mechanics (NCQM) in nonrelativistic case. In this talk, a survey on established works for which discussions on the energy correction observed in the NC Landau levels problem is highlighted. In most cases, the energy correction is shown to share a proper mathematical form obtained from the generalized magnetic field strength in the NC Landau system.