NIThEP cordially invites you to a seminar by

Professor Elemer Rosinger

Gottfried Wilhelm Leibniz Basic Research Institute & University of Pretoria

Date: Monday, 26th November 2018

Time: 10h00 -11h00

Venue: NIThEP Seminar Room, 3rd Floor, H-Block

Title: What If Quantum Theory Violates All Mathematics?

Abstract: It is shown by using a rather elementary argument in Mathematical Logic that {\it if} indeed, quantum theory does violate the famous Bell Inequalities, then quantum theory {\it must} inevitably also violate {\it all} valid mathematical statements, and in particular, such basic algebraic relations like $0 = 0,~ 1 = 1,~ 2 = 2,~ 3 = 3, \ldots$ and so on ... \\
An interest in that result is due to the following three alternatives which it {\it imposes} upon both Physics and Mathematics : \\
1) Quantum Theory is inconsistent. \\
2) Quantum Theory together with Mathematics are inconsistent. \\
3) Mathematics is inconsistent. \\
In this regard one should recall that, up until now, it is {\it not} known whether Mathematics is indeed consistent.\\

Coffee & muffins at 11h05