

# A Public Lecture by: Prof. Louis Lyons

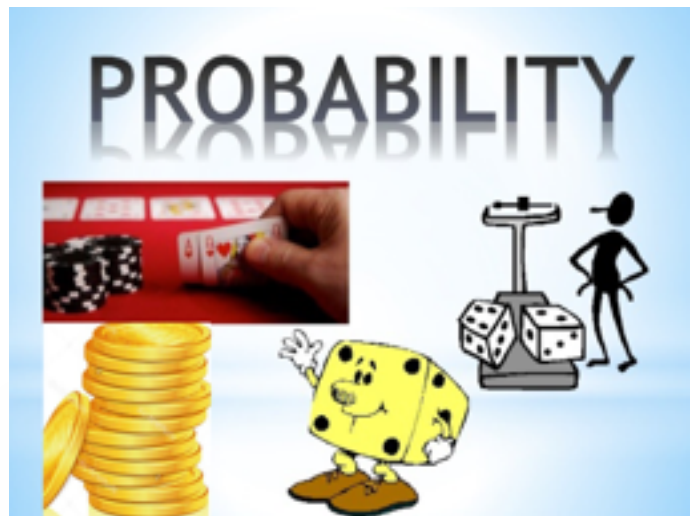
## What is Probability?

### The Bayes and Frequentist Approaches

Organised by:

**National Centre for Physics Islamabad**  
**(Friday, 25th August 2017 at 09:20 - 10:40)**

In this lecture, Professor Louis Lyons of the University of Oxford, UK, will explain the Bayesian and Frequentist Schools of thoughts. The two different approaches will be explained by using examples both from every day life and from the world of physics. Cases where the resulting answers differ significantly will also be examined in a simple way to make it easily understandable to those with little previous knowledge of statistics.



**Prof. Louis Lyons** is a member of the Oxford Physics Department and also Imperial College London. He has been working on the CMS experiment at CERN, while in the past he worked on the DELPHI experiment at CERN and the CDF experiment at Fermilab. He has special interest in statistics as applied to the particle physics analyses, and wrote a very famous book on "Statistics for Nuclear and Particle Physicists". He is the founder of the PHYSTAT series of Conferences and Workshops on statistical issues in Particle Physics, Astrophysics and Cosmology. These conferences greatly helped and modernized the statistical concepts and tools used in the analysis of data in LHC era.

#### Who Can Participate:

This lecture is intended for the all university and advance level college students who are interested to know the importance of Statistical data analysis in research. **No TA/DA** will be admissible for this activity. **Last date to apply is August 20, 2017.**

For Registration Click here: [Please fill the form not later then August 20, 2017](http://indico.npc.edu.pk/indico/event/LouisLyons)

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#### Venue:

Main Auditorium  
National Centre for Physics,  
Quaid-i-Azam University Campus,  
ISLAMABAD

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