

10) Tommaso Dorigo

Title: Statistical Methods in Data Analysis

"Our results were inconclusive, so we had to use Statistics" - Physics measurements are usually in this situation, but Statistics is not a typical part of the knowledge base of physicists. In this lecture will be examined a few typical problems encountered in physics analysis (computing averages, performing fits, extracting confidence intervals) and the correct and incorrect ways to approach them. A few practical examples will be considered to provide concrete treatments.