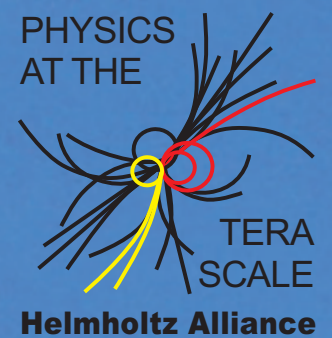


# Workshop on **Advanced Methods** in **Statistical Data Analysis**



# PHYSICS AT THE TERASCALE

Helmholtz Alliance

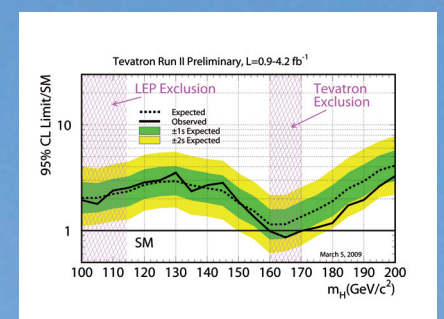
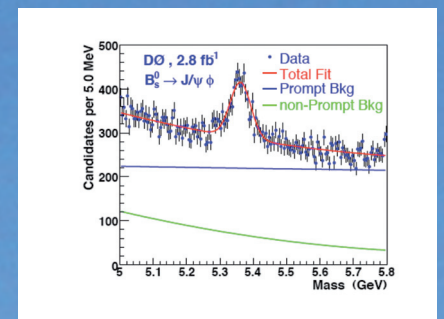
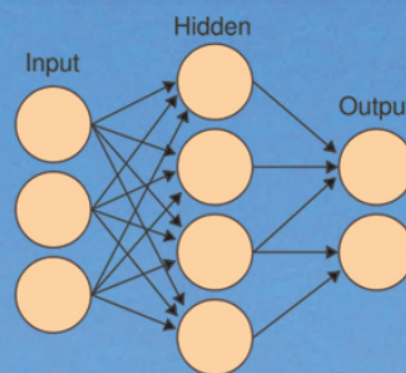
Deutsches-Elektronen Synchrotron DESY +++ Forschungszentrum Karlsruhe GmbH +++ Max-Planck-Institut für Physik München +++ Rheinisch-Westfälische Technische Hochschule Aachen +++ Humboldt-Universität Berlin +++ Rheinische Friedrich-Wilhelms-Universität Bonn +++ Universität Dortmund +++ Technische Universität Dresden +++ Albert-Ludwigs-Universität Freiburg +++ Justus-Liebig-Universität Gießen +++ Georg-August-Universität Göttingen +++ Universität Hamburg +++ Universität Heidelberg +++ Universität Karlsruhe +++ Johannes Gutenberg Universität Mainz +++ Ludwig-Maximilians Universität München +++ Universität Regensburg +++ Universität Rostock +++ Universität Siegen +++ Julius-Maximilians-Universität Würzburg +++ Bergische Universität Wuppertal +++

## 12-14 October 2009, Karlsruhe University

Many searches for expected or unexpected new particles will be performed at the LHC. This workshop aims at providing help and education on some fields of statistics tools which are essential for such searches:

- separating signals and backgrounds using multivariate analysis techniques
- optimal searches, setting limits, making discoveries
- evaluating systematic uncertainties

It aims at Ph.D. students and young Postdocs who have already gained some experience in statistical data analysis and are familiar with ROOT.



Organising Committee: O. Behnke (DESY), V. Büge (Karlsruhe), F. Ellinghaus (Mainz), G. Flucke (DESY), K. Kröninger (Göttingen), D. Piparo (Karlsruhe), A. Quadt (Göttingen), G. Quast (Karlsruhe), T. Schörner-Sadenius (DESY), G. Schott (Karlsruhe), M. Zeise (Karlsruhe)

The registration fee will be 50 Euros. For further information and in order to apply see

<http://www.terascale.de/statistics2009>

