



Tools Sessions Introduction



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OUTLINE

- I. **Tools Group within GDR-SUSY**
- II. **Future Tools Group**
- III. **SUSY Challenge: The Return**
- IV. **Sessions Agenda**



I. Tools Group within GDR-SUSY



- 4 Successful years: many thanks to all who contributed
- Most contributions are mentioned in our final report



II. Future Tools Group

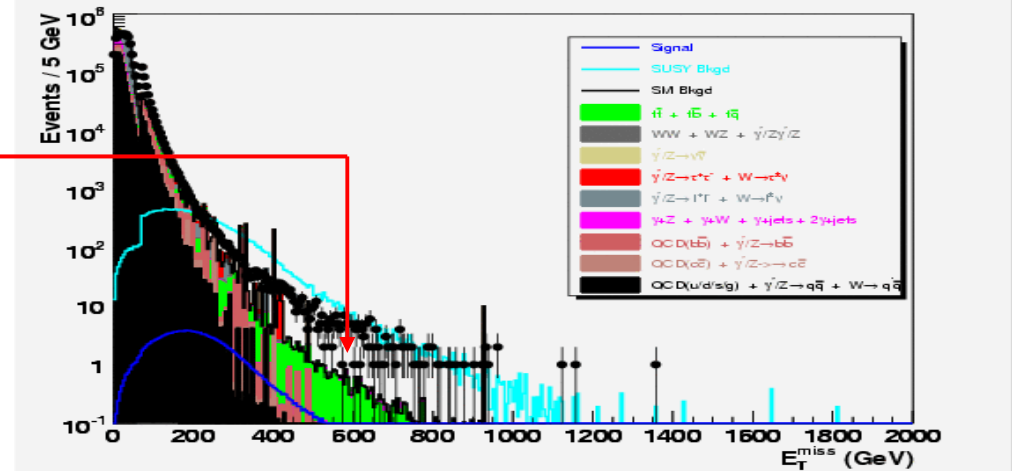


- We wish to have 4 more successful years within the new GDR-Terascale (jan. 2009-dec. 2012)
- During the general GDR meetings, the Tools meetings will be held only in plenary sessions
- We encourage more contributions from experimentalists
- Convenors:
 - Sabine Kraml, theorist @ LPSC Grenoble
 - Steve Muanza, experimentalist @ CPPM Marseille

III. SUSY Challenge: The Return

http://www-clued0.fnal.gov/~muanza/Blind_SUSY_Analysis.html

- « SUSY Blind Analysis »:
- Still unresolved
- New Working Meeting:
 - dates:
 - March 26-27th
 - +25th (tutorial)
 - place: IPN Lyon
 - bring:
 - your laptop,
 - (partial) results
 - Measure σ , end-points,...
 - Provide obs. to **Sfitter**
 - register: muanza@in2p3.fr



Shall you dare to come and test your ideas and methods?



IV. Sessions Agenda



Session I

- **Introduction (MM & SM)**
- **Automatic 1-loop calculations in the MSSM (N. Baro)**
- **POWHEG (C. Oleari)**
- **Precision Tools for the LHC: Resummation and MC Generators (B. Fuks)**

Session II

- **Validation of the V+jets MC @ TEVATRON (S. Calvet)**
- **SUSY and Indirect Constraints (N. Mahmoudi)**
- **Implementation and Validation of the MSSM in FeynRules (B. Fuks)**