

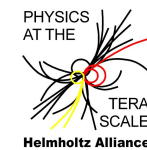
# Data Unfolding and Correction

Workshop at DESY

Thomas Schörner-Sadenius





Unfolding Workshop  
DESY Hamburg  
27-28 May 2010



# WELCOME ... AND QUESTIONS

- > Welcome to this small workshop.
  - Market Survey
  - Starting new projects
  - Carrying knowledge into the LHC experiments.
- > Programme: Everybody happy with the agenda?
- > Dinner tonight? I could arrange something for 20:00.
- > Proceedings – there was a suggestion to write some?
- > Chairing of the sessions? I am NOT around most of the time (“Physics at the LHC” ...)
- > Apologies for rather bad organisation this time (signs on the DESY premises, badges, ...)
  - Are there questions concerning organisation, travel, etc.?
  - If I am not around, please also contact M. Grimm (3100).

# PROGRAMME

14:00	<p>[17] <b>Introduction to the subject</b> by Prof. Arnulf QUADT (II. Physikalisches Institut, Georg-August-Universität Göttingen) (SR 4a: 14:00 - 14:05)</p>	09:00	<p>[8] <b>Implementations: RooUnfold</b> by Tim ADYE (SR 4a: 09:05 - 09:25)</p>
	<p>[0] <b>Improved iterative Bayesian unfolding</b> by Giulio D'AGOSTINI (Rome) (SR 4a: 14:05 - 14:35)</p>		<p>[9] <b>Implementations: TRUee</b> by Natalie MILKE (SR 4a: 09:25 - 09:45)</p>
	<p>[1] <b>Multidimensional binning-free unfolding method</b> by Guenter ZECH (Siegen) (SR 4a: 14:35 - 15:05)</p>	10:00	<p>[10] <b>Implementations: TUnfold</b> by Michel SAUTER (Universität Heidelberg) (SR 4a: 09:45 - 10:05)</p>
15:00	<p>[2] <b>Unfolding requirements and some details on algorithms and problems related to unfolding</b> by Prof. Volker BLOBEL (Uni HH) (SR 4a: 15:05 - 15:35)</p>		<p>[11] <b>Discussion: Implementations</b> (SR 4a: 10:05 - 10:25)</p>
	<p><b>Coffee break</b> (SR 4a: 15:35 - 15:55)</p>		<p><b>Coffee break</b> (SR 4a: 10:25 - 10:45)</p>
	<p>[3] <b>Discussion on some unfolding issues</b> by Guenter ZECH (Siegen) (SR 4a: 15:55 - 16:15)</p>	11:00	<p>[12] <b>Experience / benchmarkings: CMS</b>  slides by Thomas PEIFFER (Karlsruhe) (SR 4a: 10:45 - 11:05)</p>
16:00	<p>[5] <b>Decomposition of a covariance matrix into uncorrelated and correlated errors</b> by Benno LIST (Hamburg) (SR 4a: 16:15 - 16:35)</p>		<p>[13] <b>Experience / benchmarking: Unfolding in ATLAS</b>  slides by Marisa SANDHOFF (Wuppertal) (SR 4a: 11:05 - 11:25)</p>
	<p>[6] <b>Comparison of methods</b> by Katharina BIERWAGEN (Goettingen) (SR 4a: 16:35 - 16:55)</p>		<p>[14] <b>Experience with GURU</b> by Sebastian ECKWEILER (Mainz) (SR 4a: 11:25 - 11:45)</p>
	<p>[7] <b>Discussion session: Basics, concepts, missing implementations ...</b> (SR 4a: 16:55 - 17:55)</p>	12:00	<p>[15] <b>Experience / benchmarking: Unfolding in ATLAS</b> by Mr. Deepak KAR (University of Florida) (SR 4a: 11:45 - 12:05)</p>
17:00			<p><b>Lunch break</b> (SR 4a: 12:05 - 13:05)</p>
		13:00	<p>[16] <b>Discussion: next steps?</b> (SR 4a: 13:05 - 14:05)</p>