

Z signal extraction: group report

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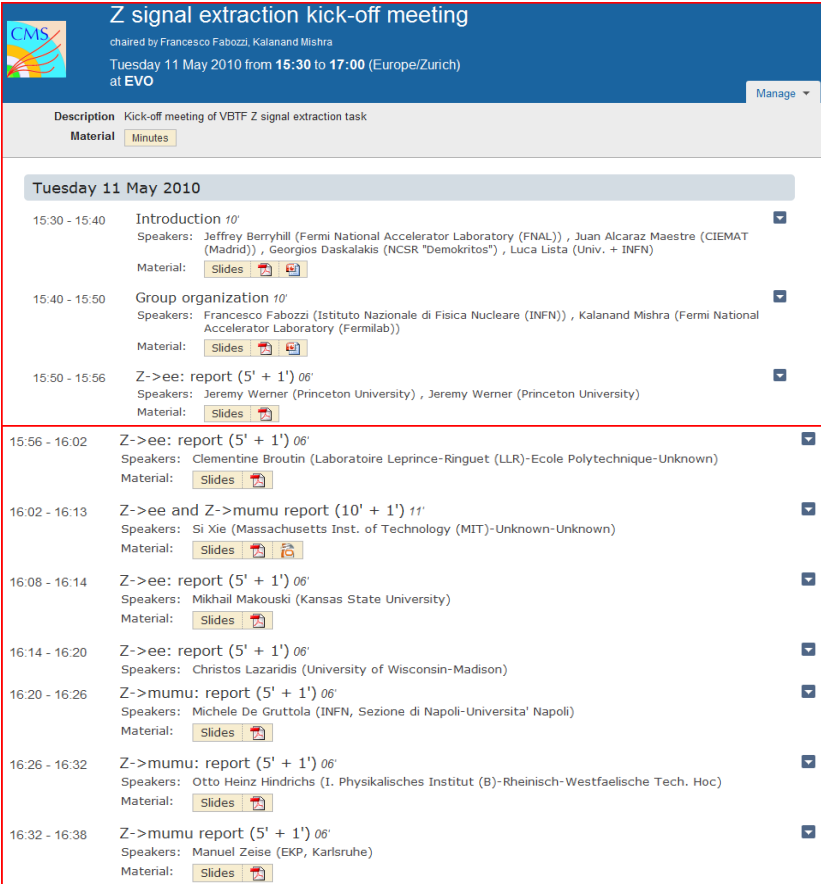
Kick-off meeting

- Kick-off meeting on May 11

Very enthusiastic attendance:
many people willing to
contribute to the manpower

Short reports from groups:
past activity and interests
for ICHEP and beyond

Tasks assigned according to
groups' interests; people
available to take additional
tasks in case of needs



The screenshot shows a meeting agenda for the 'Z signal extraction kick-off meeting' on Tuesday 11 May 2010, from 15:30 to 17:00 at EVO. The meeting is chaired by Francesco Fabozzi and Kalanand Mishra. The agenda includes the following items:

Time	Topic	Speakers	Material
15:30 - 15:40	Introduction 10'	Jeffrey Berryhill (Fermi National Accelerator Laboratory (FNAL)), Juan Alcaraz Maestre (CIEMAT (Madrid)), Georgios Daskalakis (NCSR "Demokritos"), Luca Lista (Univ. + INFN)	Slides
15:40 - 15:50	Group organization 10'	Francesco Fabozzi (Istituto Nazionale di Fisica Nucleare (INFN)), Kalanand Mishra (Fermi National Accelerator Laboratory (Fermilab))	Slides
15:50 - 15:56	Z->ee: report (5' + 1') 06'	Jeremy Werner (Princeton University), Jeremy Werner (Princeton University)	Slides
15:56 - 16:02	Z->ee: report (5' + 1') 06'	Clementine Broutin (Laboratoire Leprince-Ringuet (LLR)-Ecole Polytechnique-Unknown)	Slides
16:02 - 16:13	Z->ee and Z->mumu report (10' + 1') 11'	Si Xie (Massachusetts Inst. of Technology (MIT)-Unknown-Unknown)	Slides
16:08 - 16:14	Z->ee: report (5' + 1') 06'	Mikhail Makouski (Kansas State University)	Slides
16:14 - 16:20	Z->ee: report (5' + 1') 06'	Christos Lazanidis (University of Wisconsin-Madison)	Slides
16:20 - 16:26	Z->mumu: report (5' + 1') 06'	Michele De Gruttola (INFN, Sezione di Napoli-Universita' Napoli)	Slides
16:26 - 16:32	Z->mumu: report (5' + 1') 06'	Otto Heinz Hindrichs (I. Physikalisches Institut (B)-Rheinisch-Westfaelische Tech. Hoc)	Slides
16:32 - 16:38	Z->mumu report (5' + 1') 06'	Manuel Zeise (EKP, Karlsruhe)	Slides

ZMuMu tasks for ICHEP

- **Napoli**
 - Z-hunting in prompt reco
 - Z selection in the several categories
 - Data-driven determination of trigger, isolation efficiencies (depending on the integrated luminosity)
- **MIT, Nebraska, Rochester, Rockefeller, Texas Tech.**
 - Data-driven background determinations in the final sample
- **Aachen**
 - validation of MC trigger/isolation efficiencies
- **Karlsruhe**
 - look in detail the properties of the first Z events

ZEE tasks for ICHEP

- **Kalanand Mishra (FNAL)**
 - Machinery for simultaneous estimation of cross sec & eff
 - put together results/ingredients from all subgroups
- **Princeton+Dmitry Bandurin**
 - Z selection in several categories, Z line shape/resolution
- **MIT+Nebraska+LLR**
 - Data-driven bkg estimate in the final sample, acceptance
- **Kansas State/ Mikhail Makouski**
 - electron reco/trig efficiencies, improve low purity sample
- **Wisconsin/ Christos Lazaridis**
 - properties of initial Z events, validation of trig/iso eff

Group organization

- Each Wednesday (15:30–16:00) a ½ hour joint round table to simply review the status
 - An open indico page to post preliminary material has been set-up
 - <http://indico.cern.ch/conferenceDisplay.py?confId=93739>
 - Discussions on the results among team members mostly off-line
- The detailed results/updates will be presented in the Friday VBTF meeting
 - Proper venue where VBTF people can give feedbacks
- **Groups are already working on the assigned tasks!**