

Minutes of the IAC meeting 09. Jan. 2010 at CERN and with Internet

Participants: J. Appel, A. Bettini, R. Briere, S. Dong, W. Lohmann, Y. Sakai, V. Simak, H. Wahl, Y. Yamazaki, Th. Muller (minutes)

The meeting started around 14:10 at CERN.

1. Adoption of minutes from the last meeting of Sept. 2, 2009

The minutes were approved.

2. Comments to PIC 2009 at Kobe

Beyond the conclusions taken from the last IAC meeting at the end of Kobe symposium, no further comments about the (very good) experience with the PIC 2009 conference were made. The proceedings will be ready soon, to be sent around in March. Only two persons didn't submit their publication.

3. Karlsruhe symposium in 2010

The date is 1-4 September 2010 (Wed – Sat). The symposium will add about one half day of presentations in comparison to previously three day symposiums. A public lecture and a phenomenologist talk will be foreseen.

The programme will be very similar to the one at Kobe, covering 6 different experimental topics in particle physics where selected review talks and posters will be presented: EWK Physics, Heavy Flavour Physics, QCD, Searches, Neutrino Physics and Astroparticle Physics. In addition, four talks will be assigned to presentations of results from the LHC, covering, again in a reviewing fashion, EWK, HF, QCD and Soft Physics. In addition, time will be allotted to allow for last minute presentations of new results by any of the experiments separately. It was decided to leave open at present whether to order the LHC talks into a different time slot or to place them at the time of the related topic.

The following table presents a list of proposed review talks, to be finalised during the March meeting:

Electroweak

Top quark measurements

W/Z production and properties

Resp.: J. Appel, H. Wahl

Results from LHC

Resp.: Th. Muller

Heavy Flavour

CP violation from B-decays

New physics searches from B-decays

Non-4S Upsilon decays in B-factories

Resp.: Y. Sakai, D. Su

D mixing and decay

Charmonium Physics

Resp.: R. Briere, Y. Sakai, D. Su

Exotic Hadrons

Resp.: V. Simak

Heavy b-quark hadrons

Resp.: J. Appel, H. Wahl

Kaon physics

Resp.: R. Voss, F. Fabbri

Results from LHC

Resp.: Th. Muller

QCD

Combination of structure functions

Precision measurements in QCD, α_s

Interplay of perturbative and non-perturbative QCD

Resp.: W. Lohmann

Spin Physics

Resp.: R. Voss, T. Ludlam

Heavy-ion Physics

Resp.: T. Ludlam

Results from LHC

Resp.: Th. Muller

Searches

Higgs search

Searches for new physics with high-energy colliders

Resp.: J. Appel, H. Wahl

Neutrino Physics

Solar neutrinos

Resp.: G. Bellini

Tau neutrino appearance

Resp.: A. Bettini

Muon neutrino disappearance, neutrino scattering results

Resp.: J. Appel

Astroparticle Physics

Gamma-ray experiments

Resp.: S. Dong

Direct search for Dark Matter

Resp.: A. Bettini

Neutrino astroparticle physics at very high energies

Resp.: W. Lohmann

Pamela results

Observation of ultra-high energy cosmic rays

Resp.: S. Bettini

New and striking results

LHC

Other experiments

Resp.: Local Organisers (Th. Muller)

Also in the subject of flavour physics Y. Yamazaki will investigate if there are new results on 'lepton flavour violation'. W. Lohmann will talk with Hermes about new results. These issues will be discussed next meeting.

4. AOB

Next meeting will take place on March 20, 2010 at CERN, incl. EVO.

Topics:

-finalize the PIC 2010 program

-finalize list of members of AIC

-specify procedure to treat posters, poster sessions

-specify phenomenology review talk

-forthcoming conferences: specifically, PIC 2011 in Canada will be discussed and the proposal to host the 2013 or 2014 symposium in Pavia, Italy, will be presented.