

May 8th, 2008

Meeting Minutes of ICFA Panel on Advanced and Novel Accelerators

1. Place, Time and Date

At the Cortes Island Room in the Fairmont Hotel at 6-8 pm on May 5th, 2009

2. Attendee

I.Ben-zvi, W.Leemanns, S.Schreiber, D.Jaroszynski, P.Muggli, A.Noda, W. Huang(deputy of C.Tang), R.Hajima, Bas van der Geer(deputy of O.J.Luiten), P.Musumeci(deputy of J.Rosenzweig), M.Uesaka

3. Minutes

(1) Recent activities by M.Uesaka

(2) ICFA endorsed workshops

- Workshop on Compton Sources for X/g Rays: Physics and Applications, chaired by Prof.L.Serafini(INFN/Milano) in Sardinia, Italy, on Sep.7-12, 2008

Uesaka reported it. Almost all contributions are reviewed and published in NIM. Best oral/poster presentation awards were given to the two young scientists

- The Laser and Plasma Accelerator Workshop 2009 in Kardamyli, Greece, Dr. Patric Muggli(USC) and Dr. Bob Bingham(Rutherford)Workshop co-chairs, on June 22 to 26, 2009.

Muggli reported the preparation status.

- The Physics and Applications of High Brightness Electron Beams, Chaired by Jamie Rosenzweig, for co-chairs Gigi Palumbo and Mitsuru Uesaka

Musumeci explained the preparation status on behalf of Rosenzweig.

(3) ICUIL (International Committee for Ultra Intense Lasers) and collaboration

Leemanns explained by the slide materials. The following are discussed. The target should not be limited to LC, but be more general. Joint ICFA endorsed workshop would be appropriate as the start-up.. Leemanns and Uesaka continue to discuss the details and report timely to the panel by e-mail and at the next ICFA meeting in August, 2009.

(4) Newsletter

Hajima proposed the new second on ERL after Leemanns' edition in 2005. It consist of the following 10 chapters,

1. ERL principle and overviews (Sakanaka at KEK)
2. Gun for ERL (C.H. Garcia at JLAB)

3. Acc. cavity for ERL (M. Liepe at Cornell)
4. ERL for FEL and Light sources (N. Vinolurov at Budker Inst)
5. Laser Compton gamma-ray generation (Ohgaki at Kyoto U.)
6. Storage ring gamma-ray source (someone from Duke)
7. Linac gamma-ray source (Barty or Siders at LLNL)
8. ERL gamma-ray source (Hajima)
9. Nuclear applications of gamma-ray source (someone from JAEA)
10. Astrophysics with gamma-ray source (Hayakawa at JAEA)

He also showed his part of 4 pages and template of format. The volume of each chapter should be 4 pages and the total is about 40 pages. Collaboration on circulation and publication with the panel on Beam Dynamics was discussed.

(5) Role and mission of ICFA and panels

ICFA and upper IUPAP are still rather high-energy-oriented. Beam Dynamics Panel is supported by FNAL. Previous discussions at our panel- and ICFA-meetings indicate that ICFA expects to our panel new ideas, down-sizing. Coming actions were discussed. We confirmed the mission of our panel appearing the slides at the our web site as below.

“Mission”

To promote and encourage international collaboration/workshop/school on advanced and novel accelerators Especially emphasize on advanced compact accelerator and their application to not only high energy physics, particle physics, nuclear physics but also medical physics, nondestructive evaluation, security and so on, in order to maintain accelerator science and technology.

Although we discuss on the above items, we don't judge them.

This discussion is proposed to be done at the joint panel meeting on 6th.

(6) Upgrade of the web site

Bas van der Geer said the comments that it should be more functional in order to know the number of hitting and so on. However, it is not easy because there is no funding and it is operated by almost the chair's own efforts.