

ICAP2006 Wrap-up

- ICAP2006 has been taken place at Chamonix 1st – 5th of October 2006.
- The technical support provided by the Conference center was excellent.
- Few hiccups only (missing buses, tiny banquet meals).
- This was a small conference of 90 participants of mostly European and Americans (no Asians, hardly any Russians).
- The idea was to bring together accelerator physicists and magnet builders to exchange ideas.
- Due to the small size and many tables around the conference had the character of a workshop which I find ideal!
- I think the participants appreciated the program and the magnificent view from the “Aiguille du Midi”, the overview talks at CERN and the visit to CMS.
- I therefore consider the conference to be a success! However the participants have to decide...
- It was decided at the conference that the next ICAP will be jointly organize by SLAC and LBL and take place in the Bay Area in 2009 to be in sink with the modified three year period of (A)(E)PAC. It will be slightly more expensive ~500\$ than ICAP2006.

ICAP2006 Technical Part

- MAD-X came with a Gallery of Poster and a talk by E. Forest (at CERN for 2 weeks).
- It seems that our code has reclaimed the status of a “gold standard” in the community and the MAD9 debacle is forgotten and forgiven.
- I have been approached by various participants about reusing MAD-X for their laboratory and of course I have received bug reports!
- The CHEF code at Fermilab seems to have overcome some serious limitation and is ready for ILC use by now. They (J. Ostiguy and V. Lebedev-atCERN presently) have approached me about a collaboration since they do not attempt to replace MAD-X or redo our efforts. Of course, they are most interested about our CLIC work. But they also want to make complete use of the MAD-X parser. To this end they seemed to have studied it in great detail and they are preparing a detailed document about it (indeed missing!).
- The “universal” parser between codes **AML (Accelerator Markup Language)** by D. Sagan (Cornell) is making progress and within the next 6 months MAD-X should become a central part in it. This has been discussed in detail and it seems that “madxdict.h” is all what David really needs.
- **Most relevant for us:** We have finally come to an agreement with M. Berz about the use of the DA package in PTC and therefore in “madxp”. This ends a decade long “cold war” between Martin on one side versus Etienne and myself on the other side!