

WAMDO 2006

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The workshop organised by HHH concerned the magnet R&D programs of the various labs.

The schedules were full (4 days with 50 talks) and the participation high.

The presentations were often followed by discussions. The slides are available on the web.

Some comments

The R&D is driven mainly by the GSI fast pulsed magnets (Europe) and the LHC IR upgrade (US), other projects are the J-PARC neutrino beam line and ILC for HF magnets.

Concerning the materials: NbTi (100\$/Kg) is not dead due its cost and knowhow, Nb₃Sn (800\$/Kg) is seen as the future by most of the participant even if we need 2008 for having the first prototype for quadrupoles. Some of the participant start to bet on the HTS (1800\$/Kg). (Cost estimates by McIntyre)

For the IR is not yet clear what will be the technology used. Too many unknowns. A tentative rating is foreseen by the end 2006 (F. Ruggiero)

Lot of new ideas but the R&D programs are mainly limited by funding in Europe, by man power in US.