

Detector Concept Studies

- Large-volume gaseous detector studies (LVGDS) - will contain distinct studies following from
 - 'Tesla-based' large (or medium)
 - 'GLC-based' huge (or large)
 - 'American' large
 - ...More, or amalgamated?
- Silicon-tracker-based (SiD)

Concept studies are globalizing
Individuals will participate in multiple studies

(Presented at Victoria WS)

Announcement of Large Volume Gaseous Detector Concept Study.

FROM M.Battaglia & M.Ronan (LBL), G.Wilson (Kansas) [+J. Brau (Oregon)]
S.Komamiya (Tokyo), H.Yamamoto (Tohoku)
R-D.Heuer (Hamburg), R.Settles (Munich), D.J.Miller (London)

An inter-regional study will be launched at the ECFA
and ACFA workshops in Durham (UK, 1-4 September) and
Taipei (Taiwan, 9-11 November).

Please come and join in.

Likely to include a number of distinct studies of particular
concepts (calorimetry techniques, B-fields, magnet radii etc.),
sharing tools and R&D results, with overlapping memberships.
Number of studies and detailed organisation to be worked out
in consultation with regional communities.

DJM at ALCPG 31/7/04

Launch of Global Detector Concept Studies

- Silicon Detector (SiD)
 - Launched at Victoria, Durham, Taipei
- Medium (large) gaseous tracking detector
 - Presented and discussed at Victoria, launched at Durham and Taipei
- Large (huge) gaseous tracking detector
 - Launched at Taipei (advertised at Victoria and Durham)

Concept studies (these or others) will contribute to cost estimate document (→ Accelerator CDR)

Timeline Proposed by WWS OC

(2004) ITRP tech.
recommendation

Set up 3 panels (costing, detector
R&D, and MDI)

(2005) Accelerator CDR

Single preliminary-costing paper for
>1 whole detector concepts

(2007) Accelerator TDR

WWS receives CDR's from each
detector concept team (expect
some individuals to sign multiple
CDRs)

(2008) LC site selection

Collaborations form and submit
LOIs for proposal to the global lab
(or GDO?)

Site selection + 1yr

Global lab selects experiments.