14 JAN 2008 at LNGS

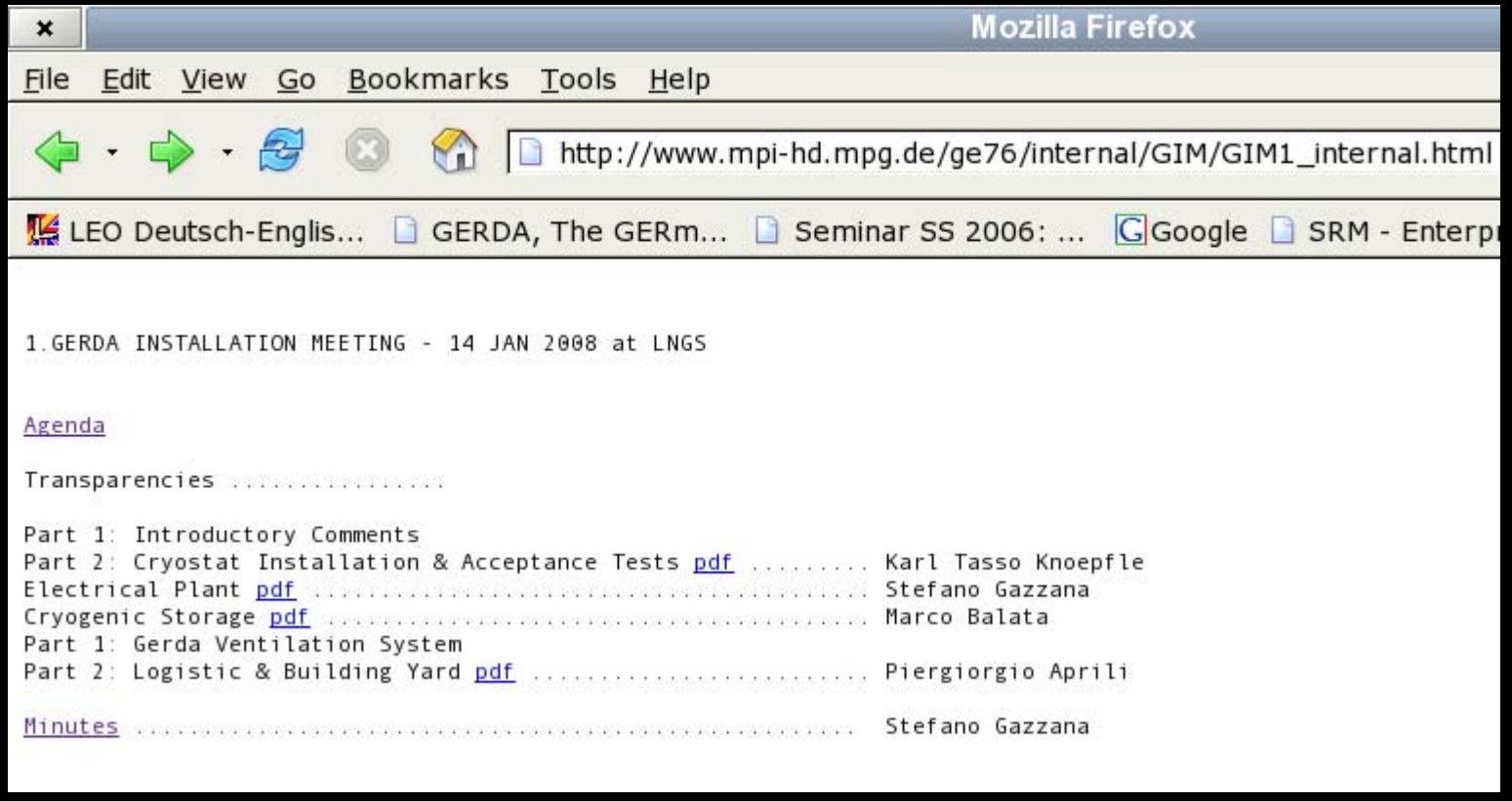
1st GERDA Installation Meeting

Overview by K.T.Knöpfle

Cracow 18feb08

talks & minutes:

► new section ‘GIM’ in webpage of ‘Internal GERDA documents’



Participants:

F.R.Adinolfi, P.Aprili, D. Franciotti, L.Ioannucci, P.Martella, G.Panella, A.Scaramelli, R.Tartaglia, M.Tobia, F.Torelli,

M.Balata, C.Cattadori, M.Junker, S.Gazzana

K.T.Knöpfle, S.Schönert - via video-link at Heidelberg (ktk's flight cancelled)

presentations on

cryostat installation & acceptance tests	ktk
electrical plant	Stefano
cryogenic storage	Marco
new LNGS/GERDA ventilation system	Piergiorgio
logistics & building yard	Piergiorgio

additional issues

water draining authorization and tests
fast drainage of water in GNO pits & TIR tunnel
safety system

cryostat installation

- SIMIC & MPI to produce written procedure for installation
  (not yet done)
  07feb08 – meeting LNGS/SIAD on evaporation test – note available
- name of transportation company to be communicated to LNGS
  (done)
- crane in Hall A will be moved by F.T. under supervision of SIMIC
- reliability of Hall A crane addressed – service!

water tank installation

- company ready to re-start 2 weeks after 'ok' by LNGS
- cryostat works shall not delay start of WT construction at 1 April 08
  also no works on cryostat during WT construction
- safety during WT construction to be addressed

water discharge system

no final flow rates yet – projected:
144-280? / 270 m3/h in TIR tunnel tube / GNO pits
720 m3/h in TIR tunnel area in case of real emergency
water discharge via heater
paperwork for extension of water discharge authorization in progress

cryogenic storage

- now 3 storge tanks: LN2 , LAr , LN2 for high pressure (9bar) GN2
- LVD explosion proof barrack has been removed
- removal of explosion proof door needed – safety reasons!
  letter of R.T. asking for authorization being prepared

ventilation

- new design for ventilation system by Commissioner available
  will not be integrated with old one before one year, at least
- exhaust gas temperature must not be lower than -20 deg Celsius
- coordination GERDA – commissioner done by P.A.
- discussion: proposed Ar gas extraction system for Hall A can be
  rather downsized since GERDA has a closed exhaust gas system.

exhaust gas heater

- concerns water to freeze, ktk: write-up on proposed heater (done)
- recent development: based on new NIER document, LNGS indi-
  cates to accept a heater for 2000 m^3/h - instead of 10000 m^3/h.

electrical plant	well defined project existing – cost 80k€
safety plant	prelim design by LNGS available
slow control	LNGS (D.F.) will send document of standards

end