CARE-HHH-ABI-Meeting, 6th – 7th December 2005, Hirschberg (near Heidelberg)

Topic: "**Remote diagnostics and maintenance of beam instrumentation devices**"

1st half day: **The GAN-MVL initiative and others - Introduction**
Chair: H.Schmickler (CERN)

1. Summary of GAN and GAN-MVLworkshops: Cornell 2002; Shelter Island 2002, Cotogan 2003, Frascati 2005, DESY 2005. Goal: Extract principle and obstacles (technical or political nature), 45 min
   Speaker: F. Willeke

2. The user needs – report about the GANMVL user query and the evaluation
   Speaker: Markus Hodapp, University Mannheim, 30 min

3. LHC@FNAL: Report on requirements gathering for remote operation of LHC experiments and read-only access to machine equipment.
   Speaker: E.Gottschalk (FNAL), 30 min

4. Workpackage on remote instrumentation handling in the US-LARP collaboration proposal., 10 min
   Speaker: H.Schmickler

5. Round table discussion, spontaneous contributions (e.g. Establish ideas for more GAN-cooperations between diagnostic groups), 1.5 h
   Speaker: all

2nd half day: **Virtual Instrumentation Integration – principles and examples**
Chair: K.Wittenburg (DESY)

1. Overall Technical Specifications, examples, 30-45 min
   Speaker: Steve Herb (DESY)

2. Concept of Virtual Instrument Integration in GANMVL, 30-45 min
   Speaker: P. Schütt (GSI)

3. The LHC Beam Loss Monitor installation and readout at HERA as an example, 30 min
   Speaker: Bernd Dehning (CERN))

4. Existing industrial solutions from NI, Tektronix and others, 30 min
   Speaker: R. Racher (DESY)

5. Round table discussion, spontaneous contributions, demonstrations of existing implementations (all participants) – an Internet connection (DSL) should be available 1.5 h

3rd half day: **Definition of work packages from the diagnostics view point**
Chair: A. Peters (GSI)

1. Round table discussion on predefined three topics, 2 h
   Speaker: all
       a. Remote diagnostics for machine operation
       b. Remote maintenance of diagnostic equipment
       c. Definition of limitations
2. Preparation of the "protokoll" of the discussion for the proceedings, 30 min
   Speaker: all

3. Continue establishing ideas for more GAN-cooperations between diagnostic groups, 30 min
   Speaker: all

4. Closing Remarks, 10 min
   Speaker: A. Peters (GSI)

Andreas Peters, 30 November 2005