

SPIRAL2 Week, 25-28th January 2010, Caen, France
Minutes of the DESIR meetings

Status of the DESIR Project

- Building:
 - Competition for the second phase of the SPIRAL2 building program -> primary constructor to be chosen by April 2010.
 - The primary constructor will make a full design study of the DESIR building and its interfaces with the other buildings
 - Decision concerning the construction of DESIR to be taken by the beginning of 2011

- Instruments:
 - A dedicated collaboration committee meeting was held at GANIL in November 2009:
 - General Purpose Ion Buncher (GPIB): undergoing study to use the existing RFQ of the LPCTrap setup at the GANIL-LIRAT facility
 - Identification Station: work in progress at IPHC Strasbourg; copy of the ISOLDE system
 - HRS: magnet design by Summer 2010; call for tender in 2011

 - A technical workshop devoted to the HRS of the production building was held at the CEN Bordeaux-Gradignan Institute on November 2009.

- Safety:
 - The National Safety Agency is currently analyzing the preliminary safety report of SPIRAL2 Phase 2, including the DESIR safety requirements.
 - Final report to be submitted by the end of 2010. Technical solutions to satisfy the safety requirements need to be studied.
 - Contacts taken with the SENAC service of the DSM/IRFU department of CEA to get some help (dose rate evaluations, simulations, etc...). The SENAC service is already involved in safety issues within SPIRAL2 Phase 1 and 2.

- S3:
 - In 2010, study of the connection between the low-energy branch (LEB) of S3 and the DESIR building. In particular, technical specifications of a common identification station (B. Bastin, J.-C. Thomas, GANIL)

- Synergies related to the HRS foreseen in the S3 LEB (CARIBU type) and in the SPIRAL2 production building: different designs but similar performance expectations.
- DESIR Organisation:
 - Towards a Steering committee: First step = presentation to the IN2P3 Scientific Committee, possibly in 2010.
 - Towards an independent Steering committee for the HRS of the production building in order to get money as soon as 2011 for the purchase of the magnets (implementation in the production building by 2013).
 - The collaboration is looking for a technical coordinator, preferably familiar with the GANIL institute and/or to low-energy radioactive ion beam facilities. It will be crucial and nearly a full time job when the building of DESIR will start (after mid 2011).
 - Collaboration(s):
 - Contacts taken with the BARC and TIFR Indian institutes within negotiations between GANIL-SPIRAL2 and Mumbai: possible collaboration for the mechanical study and building of the beam lines, for the building of beam diagnostic devices, etc... (optical calculations still to be performed, ASAP).
 - Organisation of a DESIR Workshop in 2010:
 - Motivation: preparation of Lols for DESIR day1 experiments. SAC call by November 2010.
 - Proposed date/Place: May 26-28th or August 25-27th/Leuven
 - List of available beams (from SPIRAL1 and SPIRAL2) to be provided by mid April