

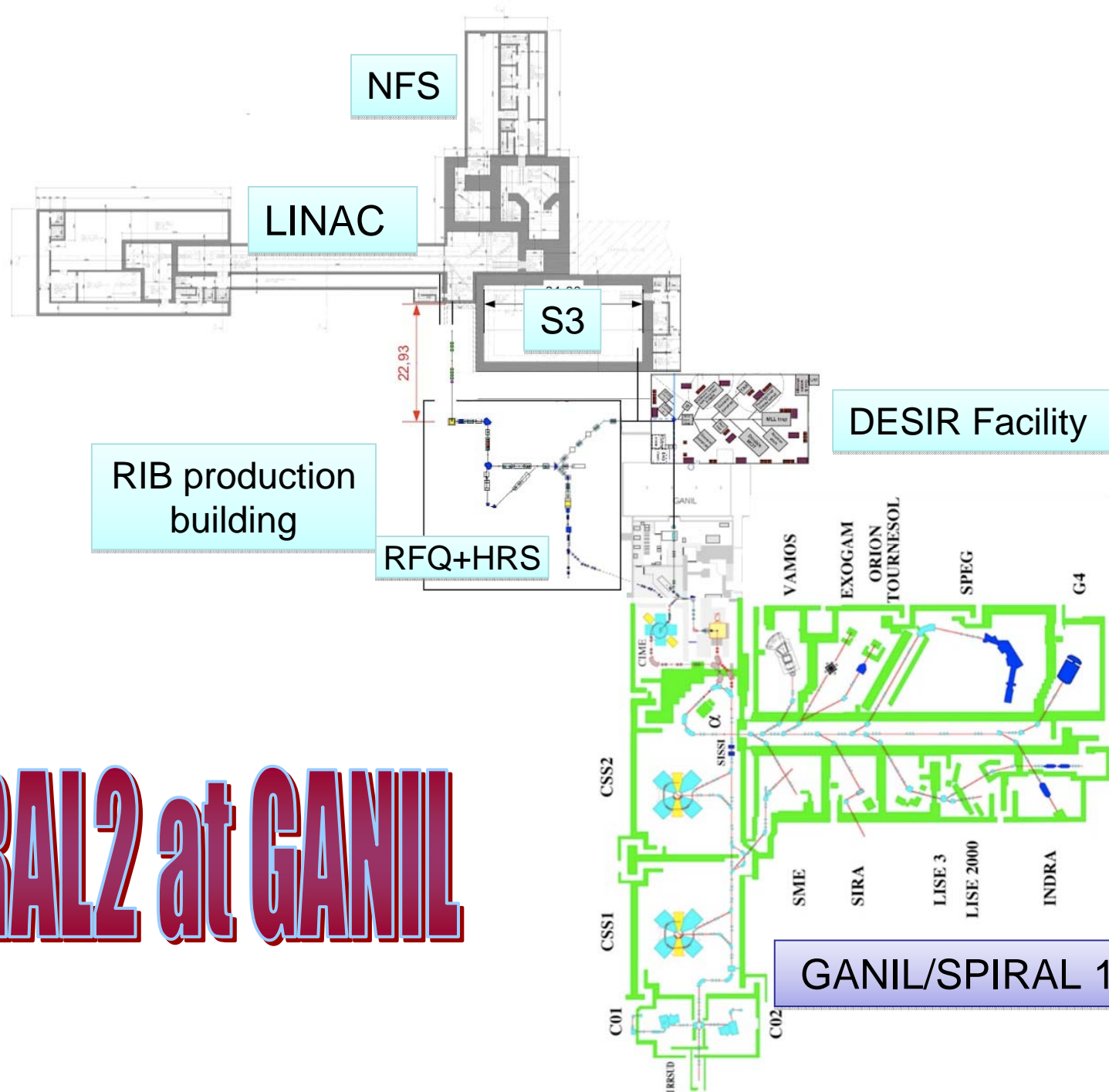
# The DESIR facility at SPIRAL2

- technical design report
- construction program -> talk of J.M. Lagniel
- HRS version 2009
- DESIR layout
- Work packages
- Finances
- SPIRAL2 schedule
- possible beam time schedule

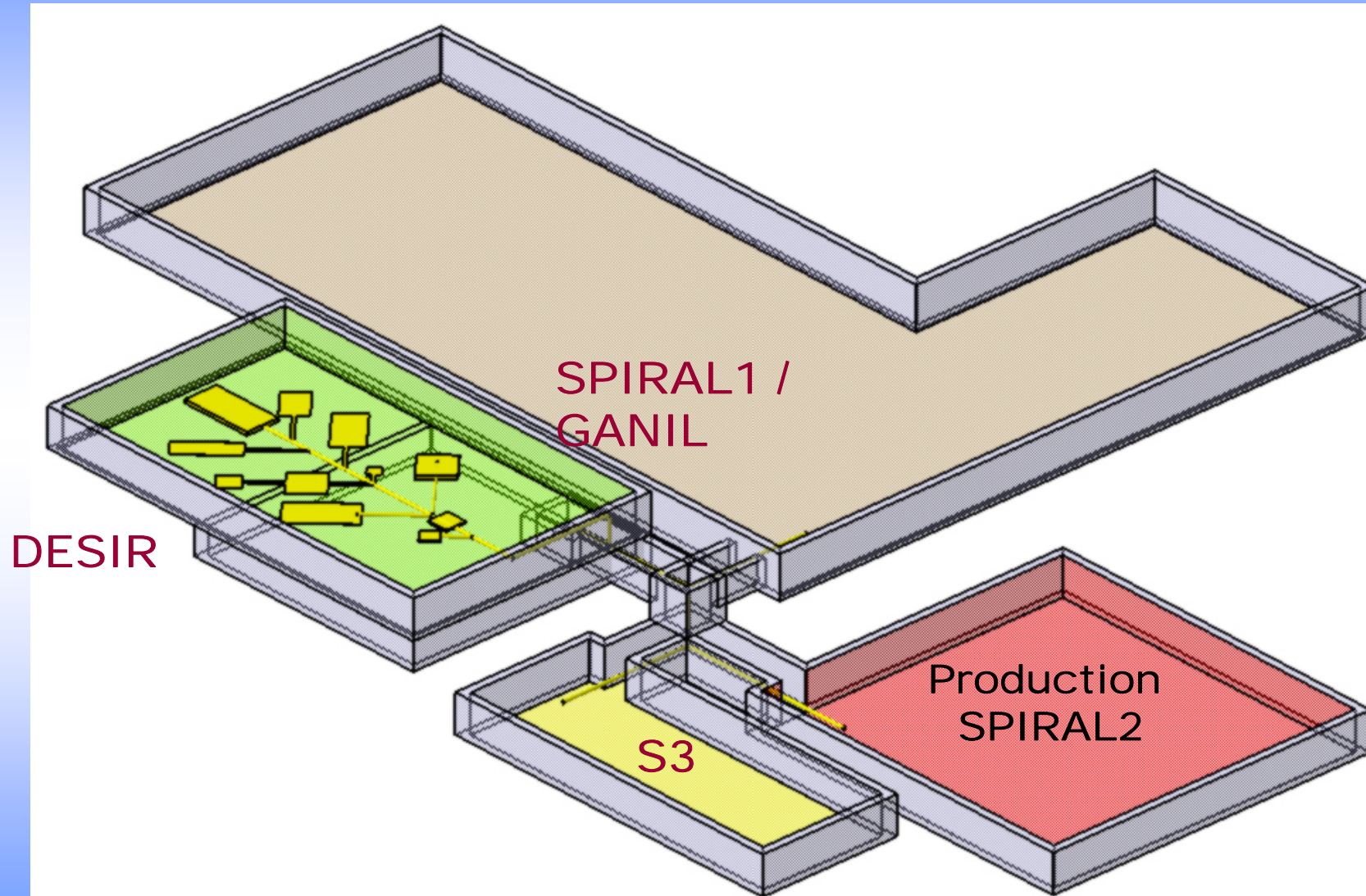
# **The DESIR Technical Design Report**

- **about 100 pages of technical description of DESIR facility and its equipment**
- **co-signed by 111 physicists and engineers of 15 countries**
- **submitted on December 19, 2009**
- **will be presented to SPIRAL2 SAC on January 29, 2009**
- **contains a general description of buildings and interfaces**
- **description of major installations like traps, spectroscopy setups etc**
- **report available on DESIR web page ([www.cenbg.in2p3.fr/desir](http://www.cenbg.in2p3.fr/desir))**

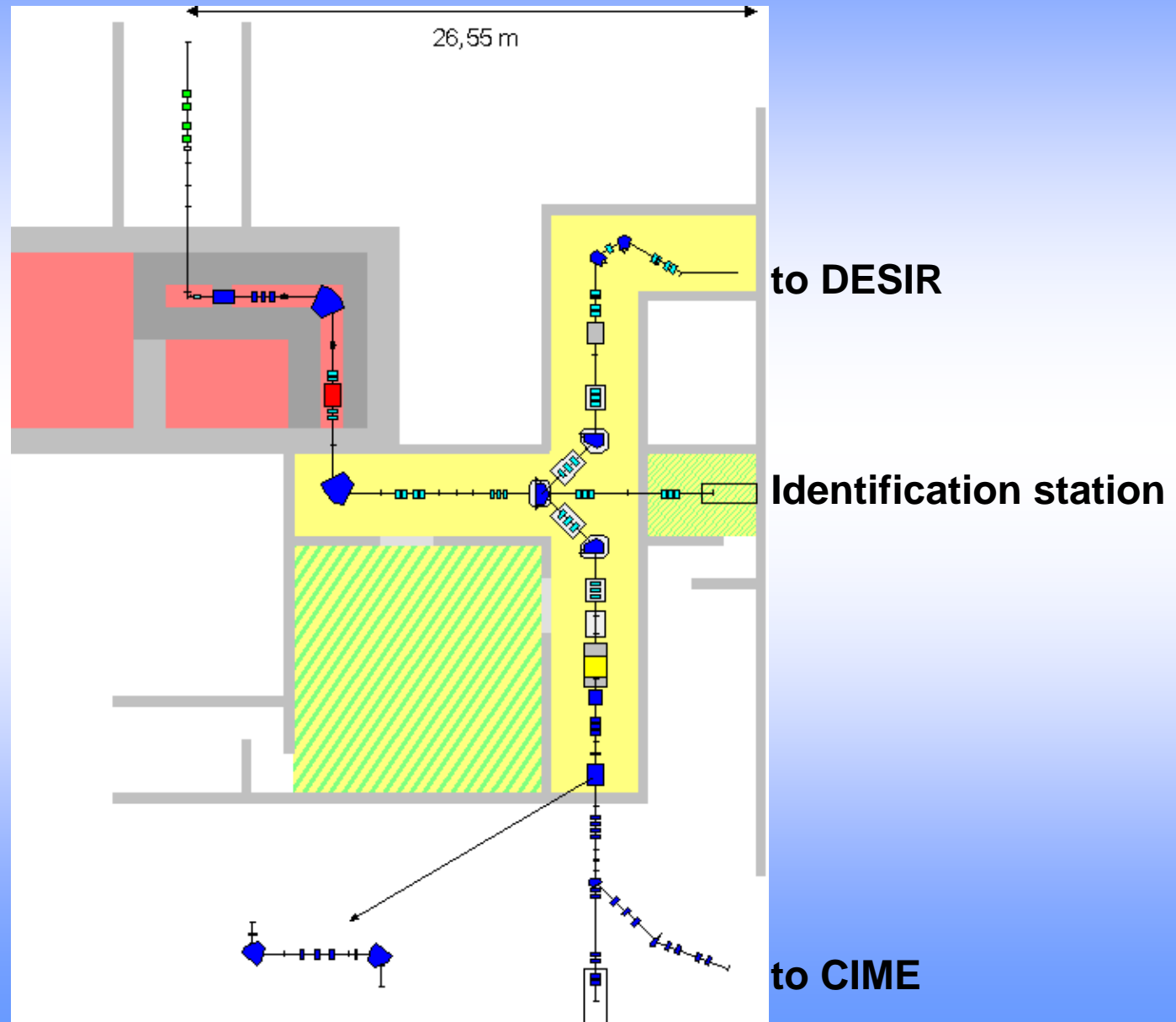
# SPIRAL2 at GANIL



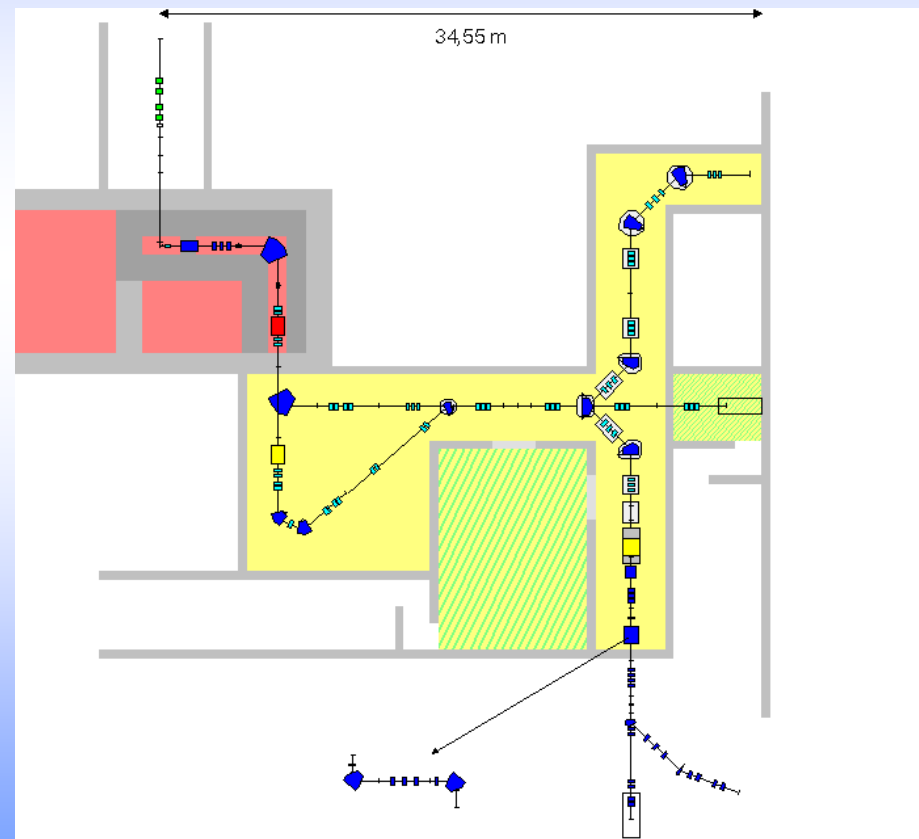
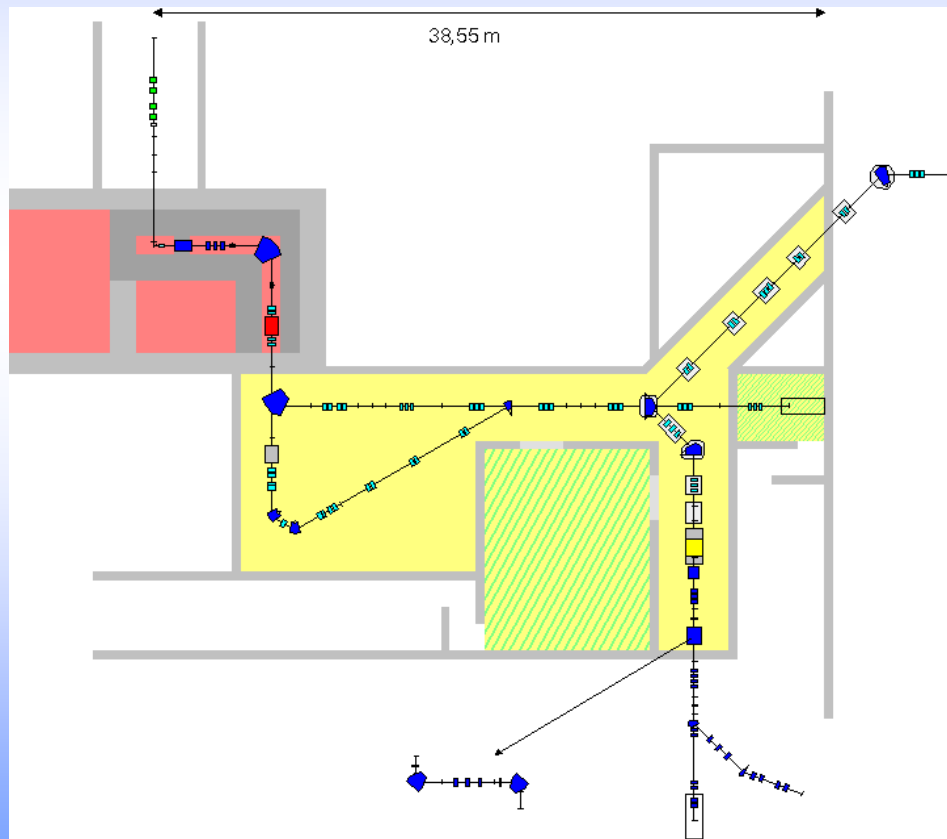
# SPIRAL2 and GANIL



# RFQ - HRS: Original implementation



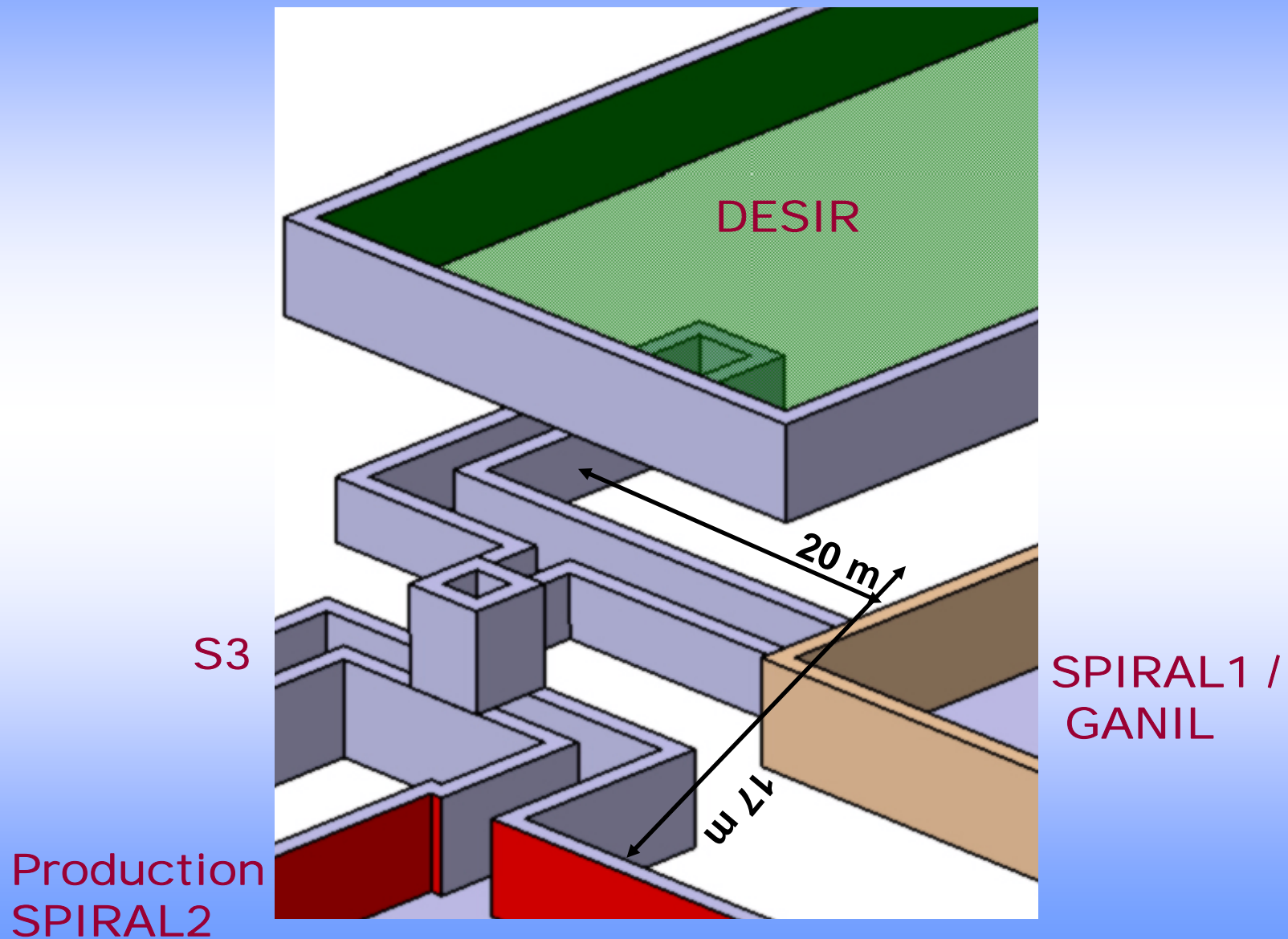
# RFQ - HRS: Use with CIME + by-pass







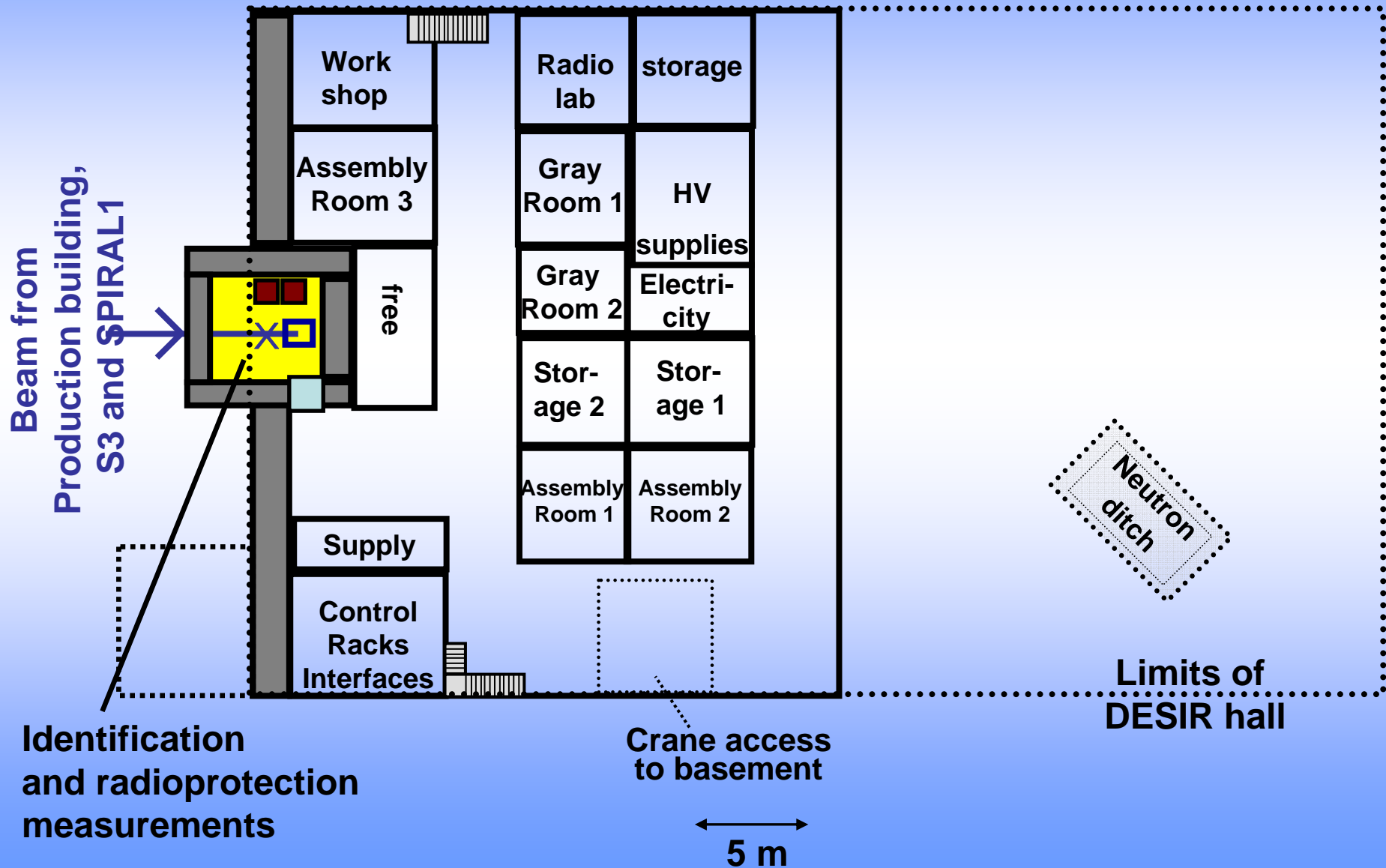
# Interface DESIR - S1 - S2 - S3







# DESIR hall: level -1



# DESIR work packages

- RFQ SHIRAC: Gilles Ban
- HRS: Bertram Blank
- DESIR building: Franck Delalee
- General purpose ion buncher  
GPIB + stable ion sources: Pierre Delahaye
- Identification station: Philippe Dessagne
- Beam transport lines: Francois Le Blanc
- Safety and security: Jean-Charles Thomas
- Command / Control, diagnostics: Stéphane Grévy

# DESIR financial situation

<u>Main parts:</u>	<u>estimated costs</u>	<u>fund available</u>
• RFQ and HRS « building »:	most likely included in SPIRAL2 project	
• DESIR building + interfaces:	6000 k€	2000 k€ (CPER)
• RFQ:	450 k€ + ?	320 k€ (CPER)
• HRS:	2000 k€ + ?	-
• beam lines:	4500 k€	-
• off-line sources + GPIB:	290 k€	-
• identification station:	140 k€	-
• control / command, diagnostics:	400 k€	together with SPIRAL2







# Next steps.....

- RFQ: on-going tests, study of “nuclearisation”, study of final version of RFQ
- HRS: detailed optical study of new ALPHA version, detailed mechanical study
- beam lines: preliminary design, cost estimate, detailed design study
- stable ion sources: definition, purchase
- GPIB: study and construction
- Identification station: preliminary design, detailed design, construction
- DESIR building: like SPIRAL2 Phase 2 construction program....  
decision about construction at latest mid 2010
- .....