

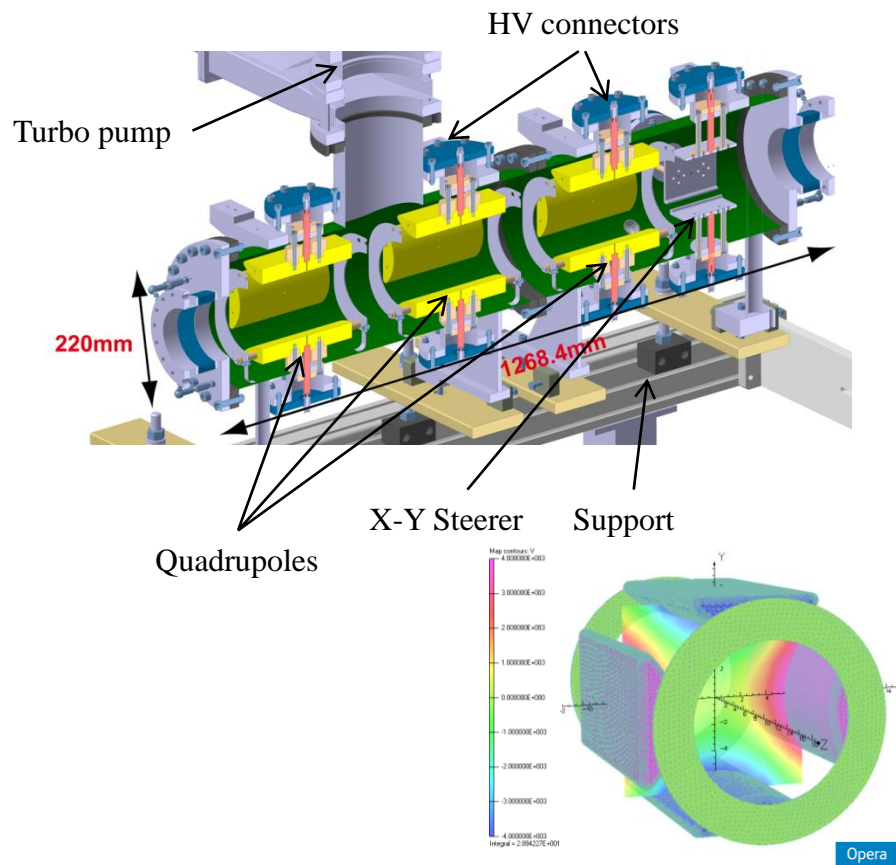
1. The quadrupoles triplet prototype for DESIR
2. R&D for the electrostatic deflector
3. New configurations
4. Input and output implantations, beam specs

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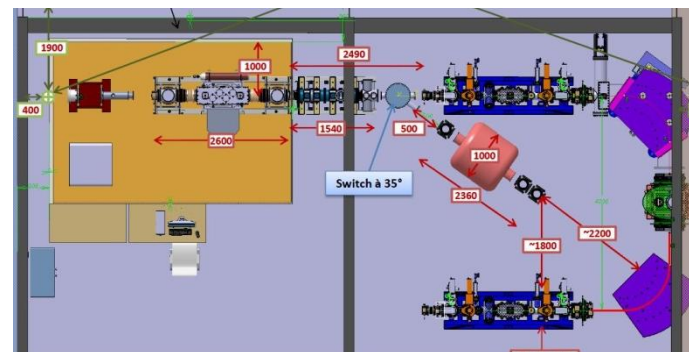
- 2013 : R&D of a electrostatic quadrupole triplet + X-Y steerer at IPN Orsay
- March 2014 : connection to GPIB at CENBG



Cost :

- Mechanic (electrodes, vacuum chamber ...) = 37k€
 - Pumping system = 17k€
 - HV system = 13k€
 - Support = 2k€
- ~69k€

Implantation at CENBG in 2014

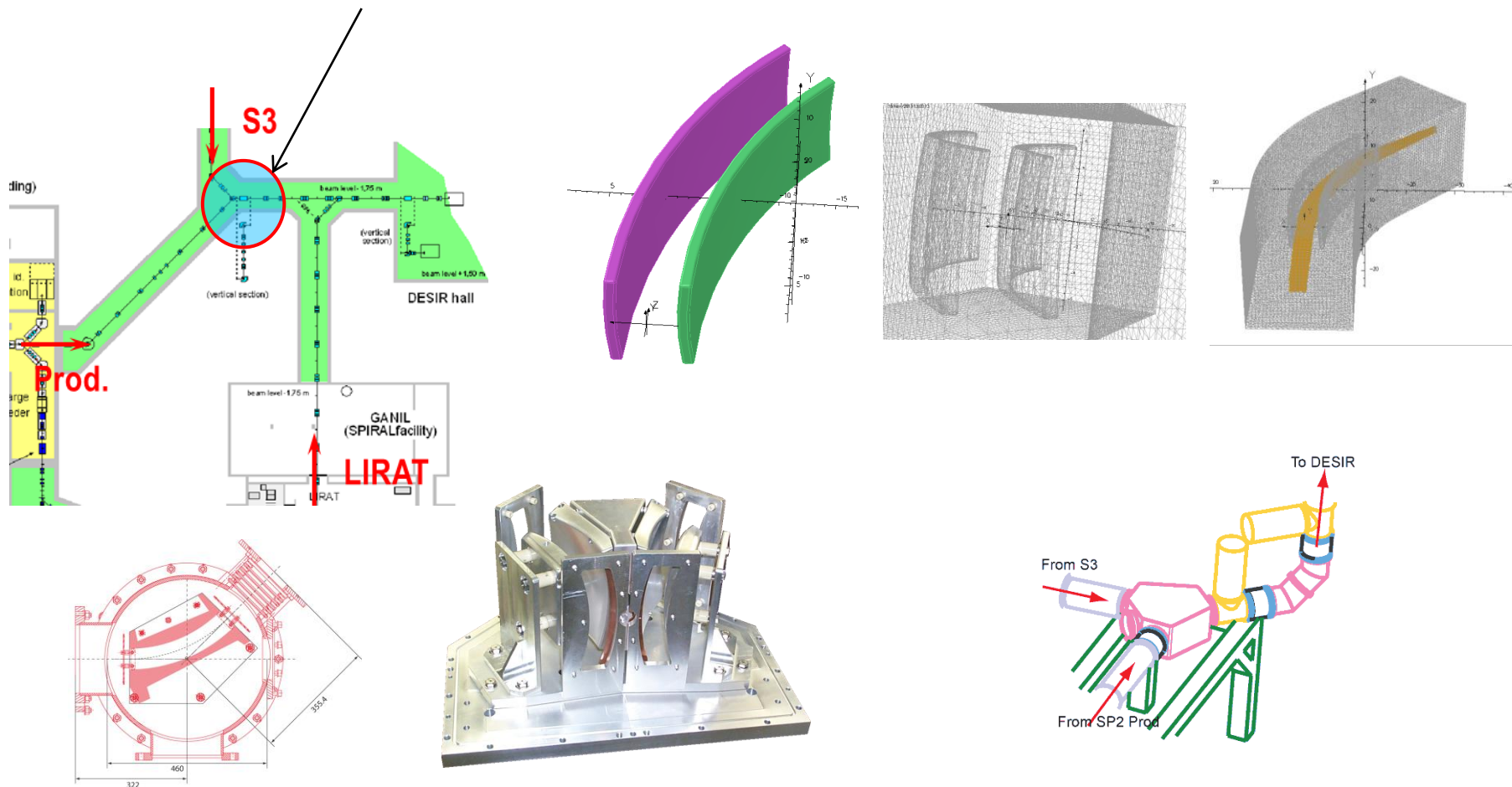


Goals : validate and use a design which can be use systematically along the beam lines
(integration, mounting, alignments, vacuum, beam tuning ...)

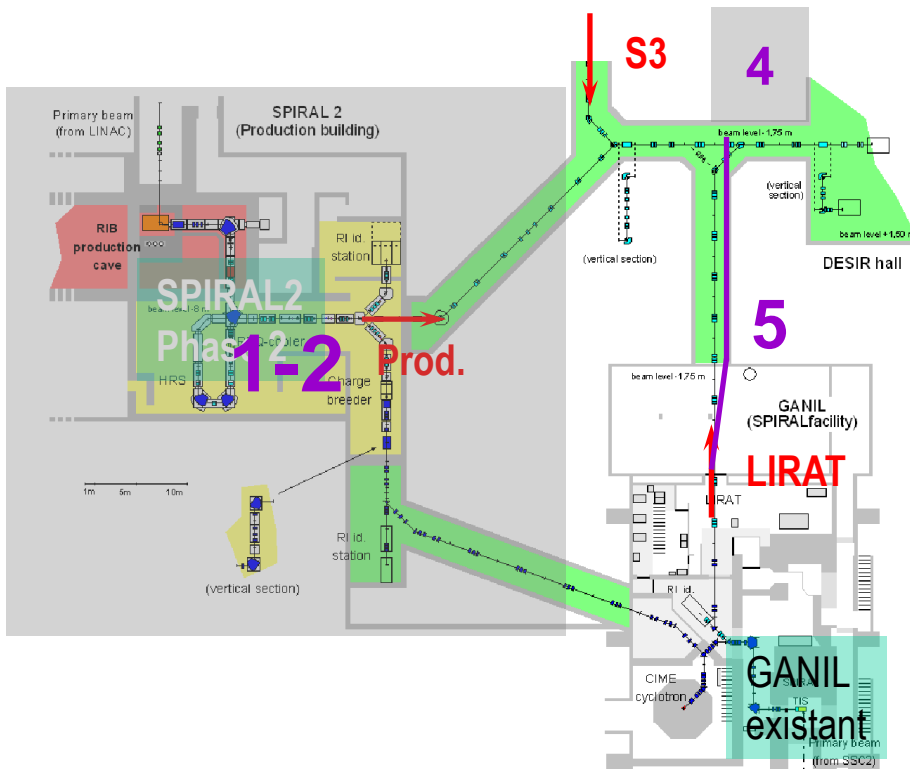
- Autumn 2013, 2014 : studies, design and build deflector to the DESIR beam lines.

Mail goal : validate a design of the deflection zones (-2 level) :

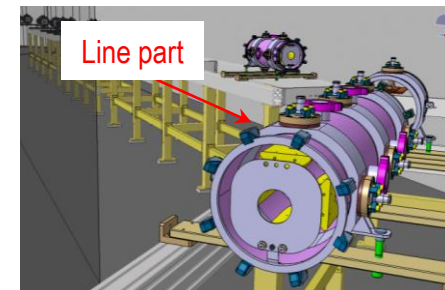
45° horizontal + 90° vertical deflector

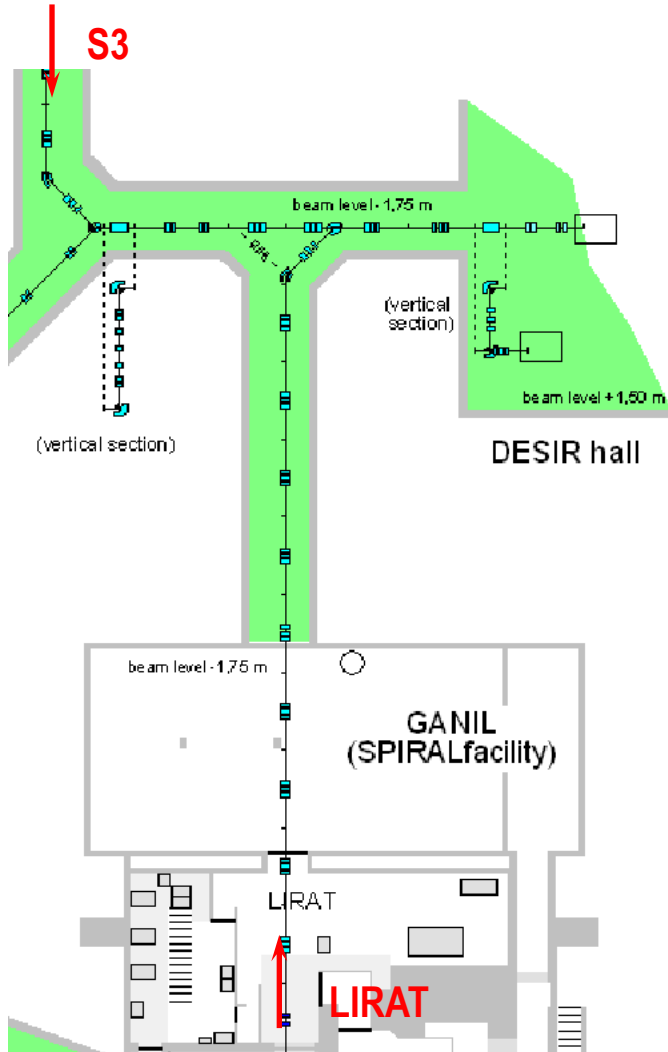


1. SPIRAL2 production process not construct with DESIR
2. LEBT SPIRAL2 Production channel is postponed
3. S3 to DESIR, LIRAT to DESIR and experimental hall
4. SPIRAL2 High-Intensity Radiofrequency Cooler (SHIRAC) + High Resolution Separator (HRS) at -1 level (preferential location)
5. South-North LEBT from LIRAT have to be shifted on the east



- New beam dynamic studies must be done according the modifications
- Strong connection to the building program





- LEBT coming from S3 need more details about the beam characteristics
 - Location of SHIRAQ/HRS will be fixed
 - Physics set-up must be fixed
 - Physics requirements in experimental hall must be finalize
 - Beam requirements for each set-up must be produce
- ⇒ Beam lines mechanical design can be realized