# Optics for SPESO

SP-ANR meeting, 15 March 2013

• Side view of vacuum chambers



#### • Top view



- Quartz window Ø50mm, limited angle of view
- Several optical systems on a linear translation stage

- Task 1: detection of SP signal
- 2 different detector types to ensure a wide sensitivity range



• Task 2: polarisation study









# Use of 7-axes robot



theta

Different layouts considered (PUMA)

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Phi max

Avg









# List of gratings

- Macor, 1.5 pitch, 30 deg Blaze, 40mm long x 20mm wide
- Aluminium,1.5 pitch, 10,20,30,40 and 45 Deg Blaze, 40mm long x 20mm wide
- Aluminium, 1.5 pitch, 30 Deg Blaze, 40mm long x 5mm, 10mm,30mm,40mm wide