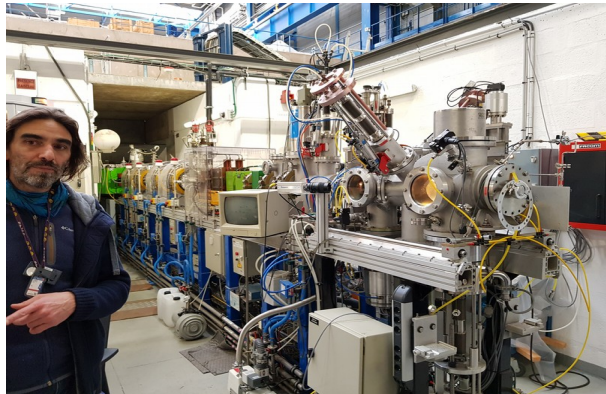


From Tuesday 5 February to Wednesday 7 February 2018 all pupils who do Clelab(European section), were invited to an internship at the G.A.N.I.L (Large National Heavy Ions Accelerator).

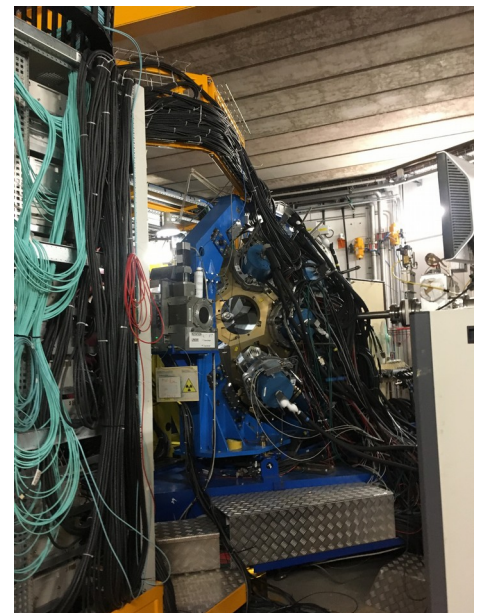
In this stage we have done lot of activities aimed at the calibration of a gamma radiation detector with our stage master Jean-Charles who is a nuclear physicist.

We were more precisely in the characterization station of SPIRAL. SPIRAL is the set of machines where radioactive ions are produced and accelerated. We worked in LISE one of the experiment rooms.

The detector can to know which atom are present in the accelerator thanks to their gamma radiation emissions. So it's an important detector is useful. So it has to be calibrated.



Our work during these three days was to make the calibration of the trolley "detector", the "sensor" to allow the identification of gamma radiation, to analyze the data. We ended up on a work on detection efficiency to know the intensity of gamma radiation. The detector was restarted in April and will operate 24/24 for a limited time. We also visited the accelerator.



Thanks to the CLE and to Jean-Charles who allowed us to carry out this internship

The GANIL pierces the mysteries of matter.