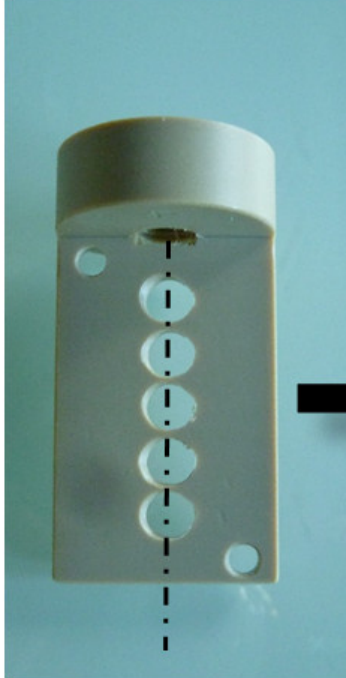
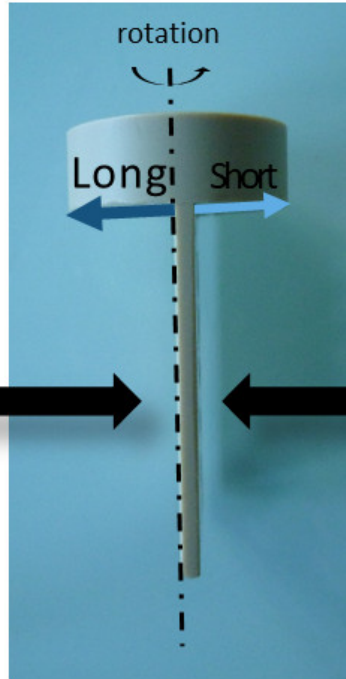


## Orange cryostat sample-holder

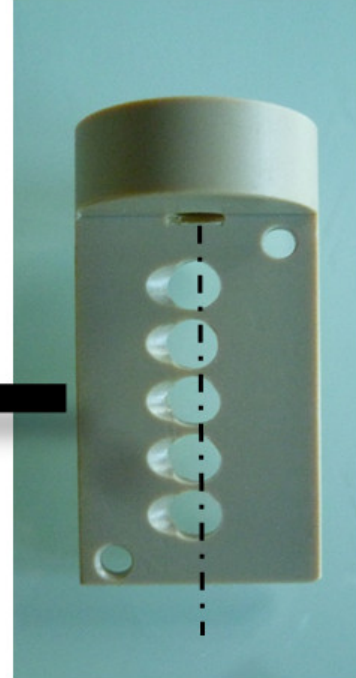
### A. Description of the different parts



A.1 Analysis surface side "centered"



A.2 Asymmetric geometry: one surface is along the axis of rotation



A.3 Back surface side "off-axis"



A.4 Analysis surface frame



A.5 Back surface frame

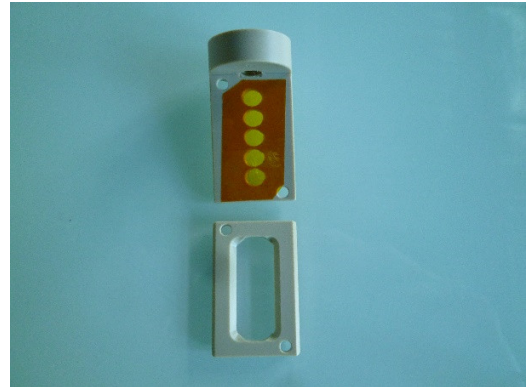
B. Kapton tape on the sample-holder analysis side



B.1 Put kapton tape on the analysis surface



B.2 Remove the extra part of kapton that sticks out from the bottom, that covers the holes, etc.

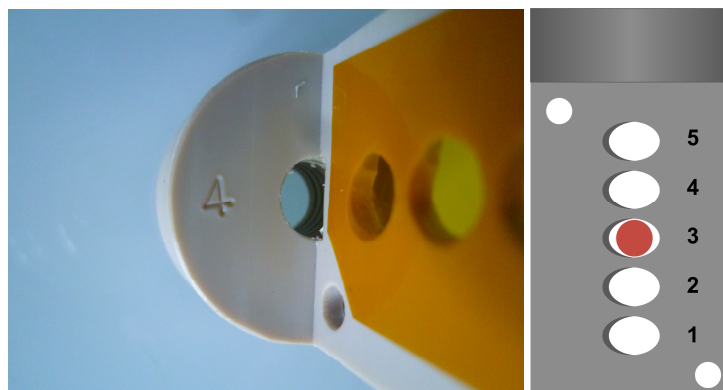


B.3 Remove bubbles under the tape

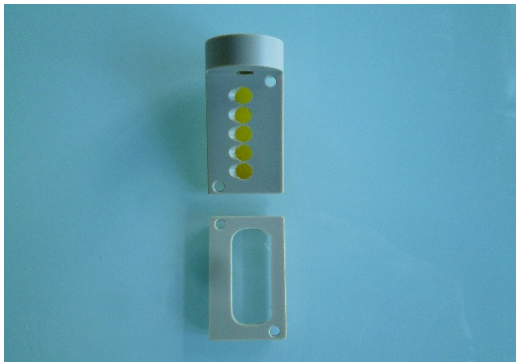
C. Insert the sample (pellet, liquid) in each hole, against the sticky side of Kapton tape.

The diameter of the holes is optimized for 5mm diameter pellets. Smaller size pellets can be inserted too, larger pellets have to be broken in smaller pieces.

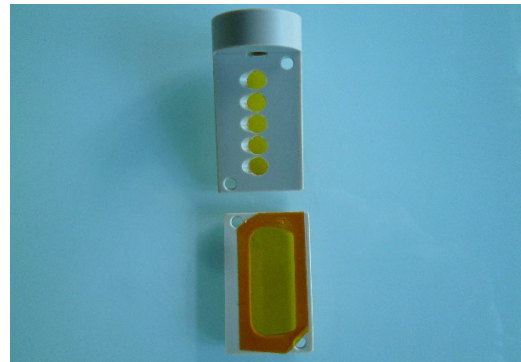
Each sample-holder is numbered (#4 in the figure below): each sample can then be defined by the number of holder and, for example, its vertical position (#4-3 for the red pellet).



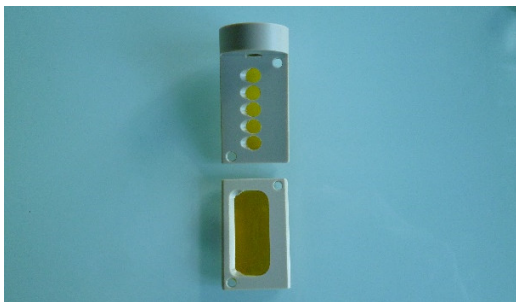
D. Close the sample holder with the back surface frame



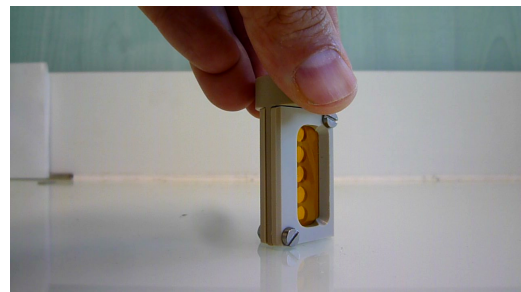
D.1 Flip the back surface frame with respect to picture A.5, to have access to the surface in contact with the holder



D.2 Put kapton tape on this surface . Remove the extra part of kapton that sticks out from the bottom, that covers the holes, etc.



D.3 Flip the frame back and position it on the holder by inserting the two bolts. Be aware that the frame is asymmetric, and only one position is possible!



D.4 Left: back frame with the good orientation (samples are visible at 45°)  
Right: back frame with the wrong orientation (samples are masked at 45°)



D.5 Flip the sample holder to have access to the other side.



D.6 Position the Analysis surface frame (A.4) and the corresponding nuts. Screw them, not too tight (the frames and holder are fragile)

