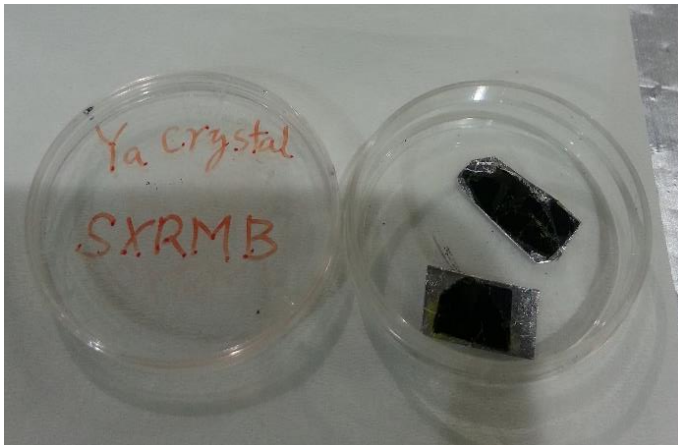


Mounting Samples onto the Solid State Sample Plate – WEAR GLOVES

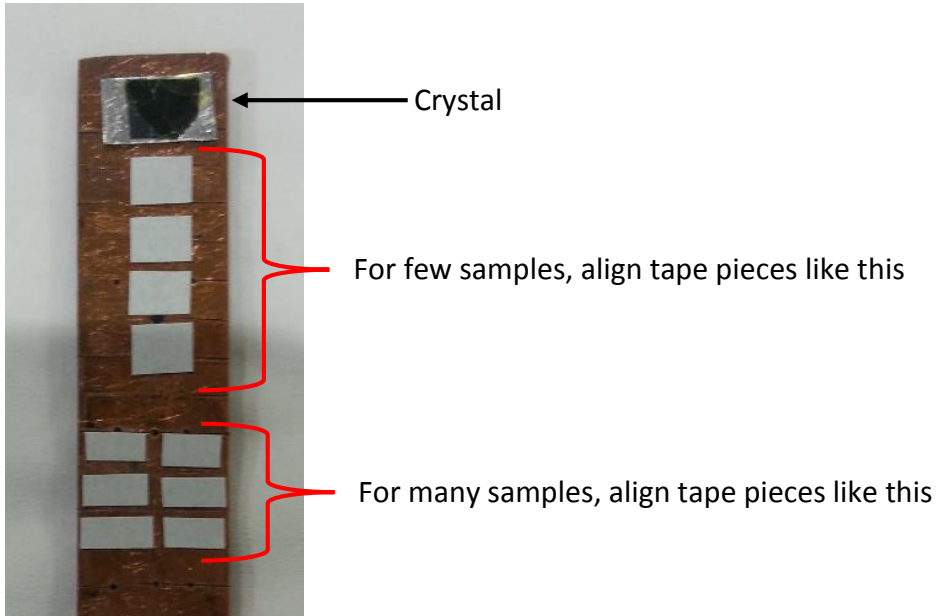
- 1) Select a copper sample holder for the SXRMB beam line.
There are long holders and short holders (typically a long sample holder is used if many samples are to be analyzed)



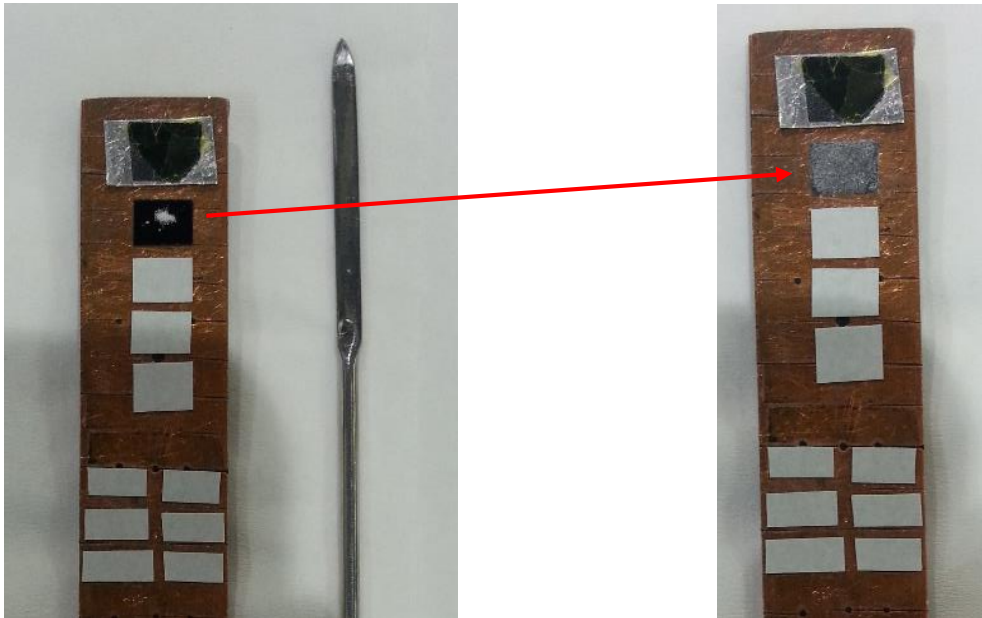
- 2) Ensure the plate is clean by wiping it down with methanol and drying thoroughly
- 3) Place a fluorescing crystal (provided by the beam line) at the top of the holder using double sided carbon tape.



- 4) Cut as many small strips of carbon tape as needed and place them in one or two columns at least 2 mm apart, leaving the protective backing on the tape



- 5) Remove the backing from one piece of tape
6) Using a spatula and a small amount of sample, spread a thin layer of sample evenly over the tape.



- 7) Tap the plate or use compressed air to remove the excess sample from around the tape.
8) Repeat steps 4-5 until all the samples are mounted onto the plate.
9) Be sure to keep a clear and concise log of your mounted samples