

### **03014 PUMPING PROCEDURE**

Make sure that all biases are off

Make sure that the chamber is free from floor pads, tools, chemical bottles, ...

Check that the platform is electrically isolated from the chamber

Check that the towers have screens and are locked in place

Check that covers on MCP's and silicons are out

Check that nothing is in the beam line

Close the doors and put the C clamps on the leaky points

Close manual vent valves

Click on "stop venting procedure"

Click on "start pumpdown"

Check that the vacuum in the small cryo is below 30 mTorr (TC vacuum gauge on platform attached to chamber)

Check that the small cryo compressor is on and that the small cryo is cold

When the big cryo and turbo gate valves are open, open the small cryo gate valve by plugging the 24 V supply to dirty ground

When the chamber vacuum reaches  $8 \times 10^{-6}$  torr, close the small cyro gate valve.