

# Safety

- № 1 If **Alarm strobe** goes off, exit from the nearest exit door, gather outside for head count
- № 2 Check the **LN<sub>2</sub>** airtight, make sure the AutoLoader **LN<sub>2</sub>** refilling is working properly
- № 3 Always **Col. Valves Closed** when leave the chair
- № 4 Check **FEG** and **HT**, in Setup tab, **Operate** and **High Tension** (with 300 kV) should be ON

Check **Gun lens** 4, **Extractor** 4650, **FEG Emission** ~330 uA

- № 5 Check Vacuum, **Gun/ Liner/ Octagon** should be **1/ 10/ 1** log or better (LN<sub>2</sub> temperature)

**1/ 20/ 1** log or better (room temperature)

# Operation

- Nº 6 Warnings, Yellow (**Take Action**) Red (**Close Col. Valves** and ask for help)
- Nº 7 Double Check **K2 is Retracted** before opening **Col. Valves**
- Nº 8 K2 safety, SPA (**Mag 105 kX SS $\geq$ 8**), Tomo (**26 kX, SS $\geq$ 9**) then start using K2  
SPA-Single Particle Analysis Mag-Magnification SS-Spot Size Ill-Illumination Area (value to be determined)
- Nº 9 **C2 Centering**, Beam Settings $\rightarrow$ Free Ctrl $\rightarrow$ C3 Off, C2 Adjust, Beam Settings $\rightarrow$ TEM
- Nº 10 **DO NOT Change** Gun Alignments (Gun Tilt, Gun Shift)
- Nº 11 **DO NOT** edit slot status in AutoLoader
- Nº 12 **DO NOT Restart DO NOT Shut Down** any computers (Krios or K2)