

# Vacuum Alarms

**No Danger. Just delays & headaches.**

1. Monitor vacuum stripcharts over ~ days.
  1. SC vacuum should be  $< 5 \times 10^{-7}$  Torr
2. Turbopumps: See tgt web page for tips & help.
  1. Scatt chmbr, vacuum dumptank, downstream beamline
  2. Can close beamline GVs to isolate & diagnose problem
3. If one tripped, reset ASAP (see cryotgt web page)
  1. Call an expert if you don't know how/where to do this
  2. GVs close automatically at  $\sim 5 \times 10^{-5}$  Torr
  3. Can develop ice on tgt, ruin expt.
    1. May have to warmup to eliminate the ice
4. May be GVs on turbos closed: Open them.
  1. Status now in counting room
  2. Controls next to back pump, 2<sup>nd</sup> floor blue platform.
5. Other possibility: H<sub>2</sub> leak or o-ring leak. Call expert.