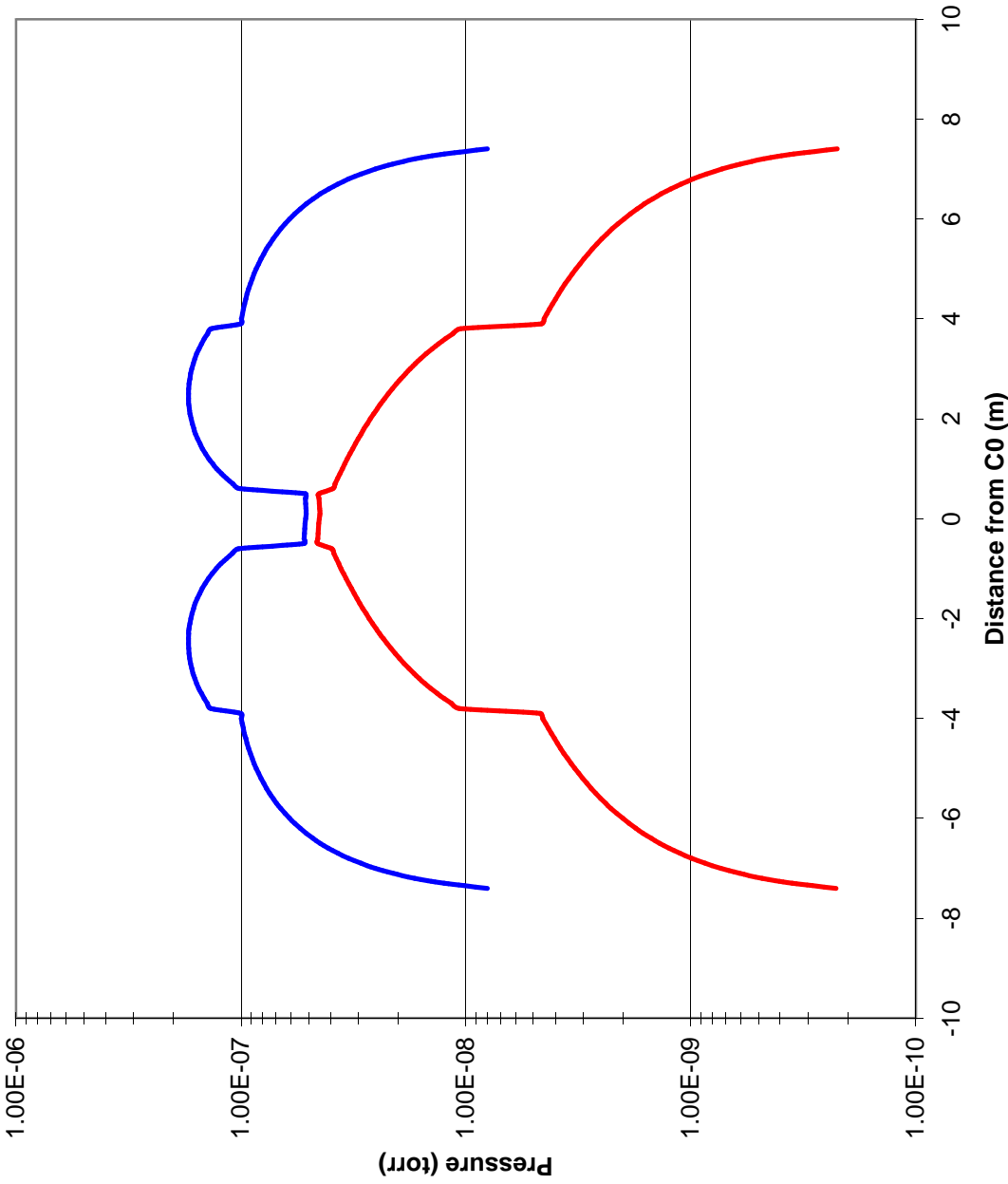


Pressure Distribution in BTeV Vacuum System



— Pipe outgassing 1e-10 torr-L/cm²/s
— Pipe outgassing 1e-14 torr-L/cm²/s

Vacuum vessel (clean side) outgassing:
 1e-10 torr-L/cm²/sec
 Pixel volume (dirty side) outgassing
 1.5e-3 torr-L/cm²/sec

Ion pump speed @ +/-10m: 80 L/sec
 Clean side pump speed: 50 L/sec
 Dirty side pump speed: 800 L/sec

Aperture size 0.5 cm diameter
 Inside pixel volume (dirty side), max
 pressure for both scenarios: 1.56e-5 torr