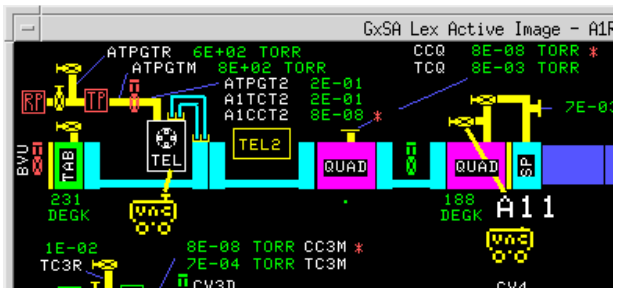
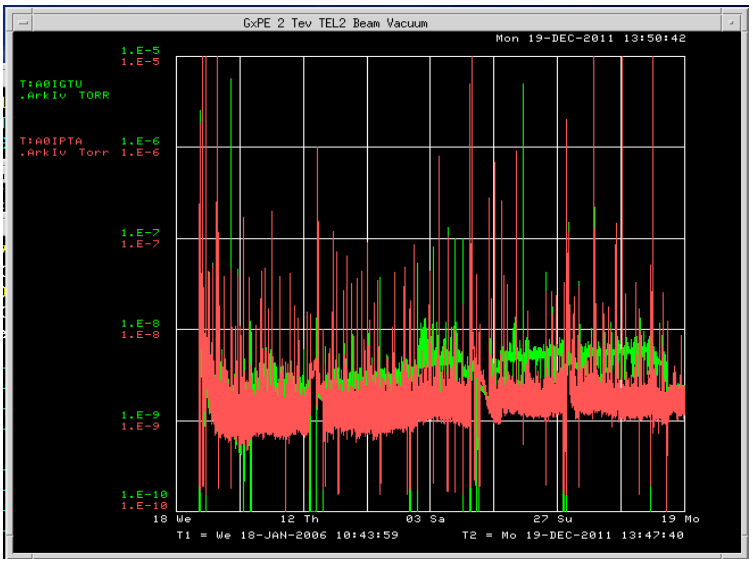
1) Current: Tevatron Electron Lens II(TEL2) status as 12/19/2010

Insulating Vacuum ATPGT2 shows 1.6E-1 torr without turbo pumps on presently.



2) History:

a. TEL2 beam vauum has stayed in 10^{-9} torr ranges since it was installed, with 255 l/s total norminal speed of 4 IPs.



b. As cold cathode gauge A1CCT2 indicated that the insulation vacuum stayed in 10^{-7} torr range during years of operation with the help of 2

Alex Z. Chen x8896 ..., 12/22/11 7:40 AM
Deleted:

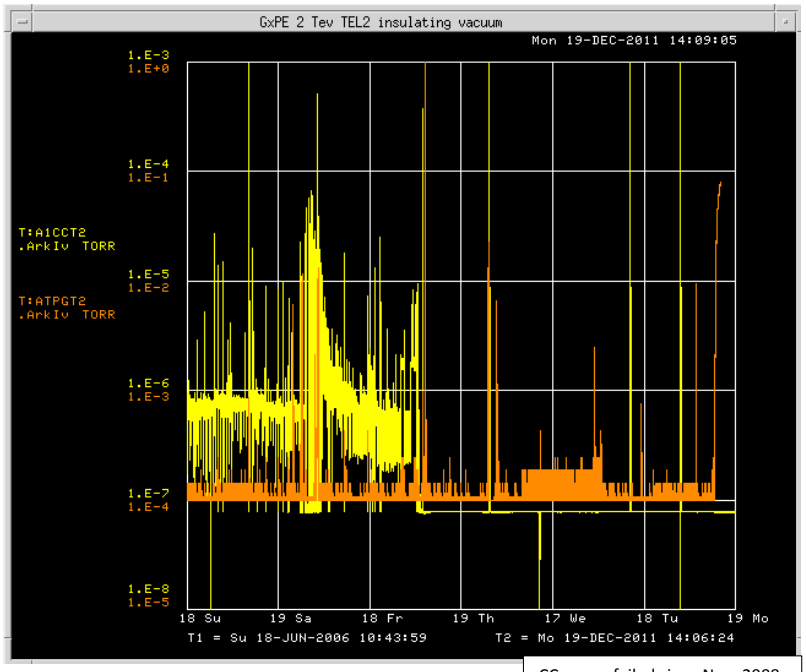
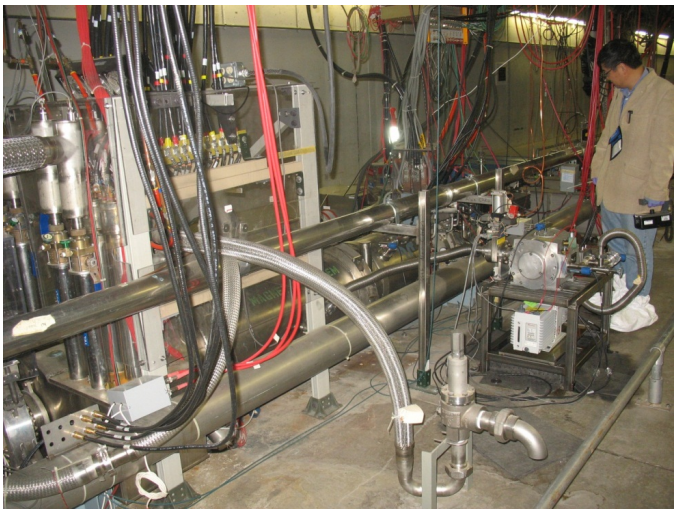
Alex Z. Chen x8896 ..., 12/22/11 7:40 AM
Formatted: Font:14 pt

Alex Z. Chen x8896 ..., 12/22/11 7:38 AM
Deleted: bema

turbo carts, which provides about 10 l/s effective pumping at the vessel. A1CCT2 failed to provided pressure measurement since Nov 2008 and without opportunity to replaced, however the Pirani gauge was at minimum until Oct 3, 2011 when turbo was turned off and valve was closed and cryo warmed up, it still stays at 1.6×10^{-1} torr as 12/20/2011. That indicates the leak is either reduced significantly or disapperared as warming up.

zhangxl 12/21/11 3:18 PM
Deleted: t

zhangxl 12/21/11 3:19 PM
Deleted: despaired



CC gauge failed since Nov, 2008