## Discussion on 'Alignment and DR status'

- Horizontal emittance
  - •Big  $\Sigma_{x}$  measured in EXT
    - •IP beam size growth through multi-pole field
  - •New LW will be installed in DR, which can measure  $\int_{y}^{z}$ , and  $\int_{z}^{z}$ .
    - Need commissioning time
- Stability of dE/E, orbit,...
  - Development of Feedback software
  - Button BPM in BS\*X
    - •Electronics : SLAC-stripline BPM or digital scope
- Any new hardware request by end of July
- •3 Hz Operation