If Z_{ECAL} increases by 42cm & L* remains 3.5m

- Z_{LUMICAL} increases by 42 cm
 - 6cm inner aperture closer to pair dead zone
 - may need to be increased
 - inner aperture acceptance goes from 36mrad to 29 mrad
 - radial angular granularity decreases for pixel radial pixel size
- Z_{BEAMCAL} unchanged
 - BeamCal is 42 cm closer to trackers
 - Increased photon background in trackers
- Length of mask between LUMICAL & BEAMCAL reduced 42cm
 - Less weight
 - probably adequately long at \sim 72 cm (want > \sim 60cm)
- Back End of ENDCAP yoke moves back 42 cm
 - Less cantilever for QD0 cryostat
 - easier support
 - Less space available for door opening
 - still enough for 2m door opening on beam line
 - PACMAN length reduced by 42 cm
 - lighter, cheaper
- Reduced "length overhead" available for yet-to-be engineered hardware
 - Vacuum pumps, BPMs, flanges, etc.
 - Still have ~40-60cm "spare" length to play with







