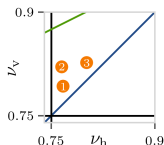
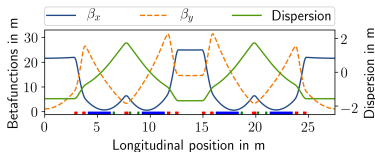


First Experiences with Negative Momentum Compaction at KARA

- Stretching lattice
 - ⇒ negative dispersion in dipoles
 - ⇒ negative α
- Successfully established
- High orbit deviations seem necessary
- Current is limited at 22 mA for now - why? Due to which collective effects?
- Chromaticities can be varied - only weak effects, except sign flip
- Moved working point - weak effects in stable region

$$\alpha = \frac{\Delta L/L}{\Delta p/p} = \frac{1}{L} \oint \frac{D(s)}{\rho(s)} ds$$



This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement No 730871.

