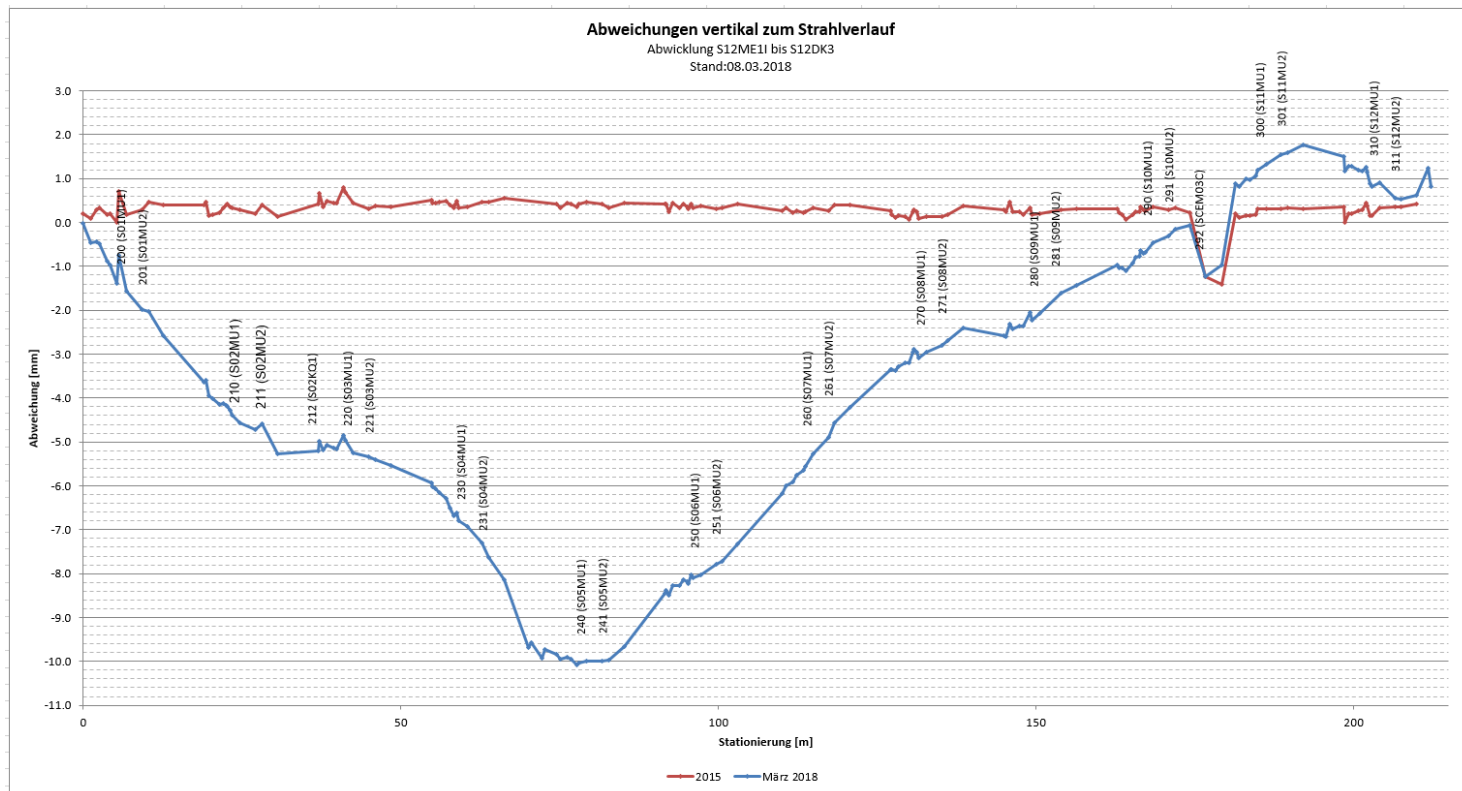


HEST status

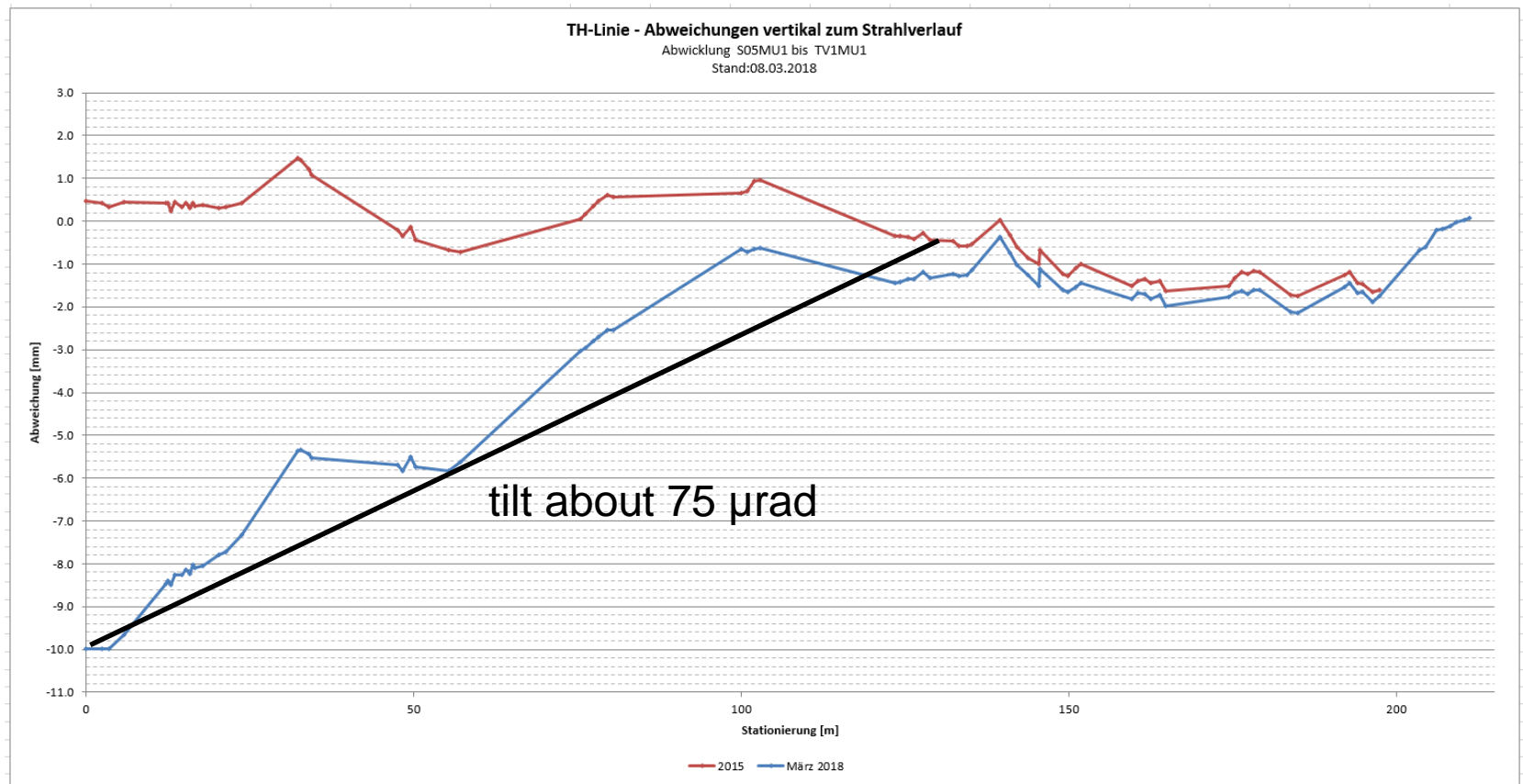
Apr 10, 2018
m.sapinski@gsi.de

- Until yesterday: paragraph 66
- BLM installation started week before Easter, ongoing
- Lot of debugging:
 - magnet polarities in CDB
 - optics (in LSA)
- Preparation for dry run 7 (new optics)

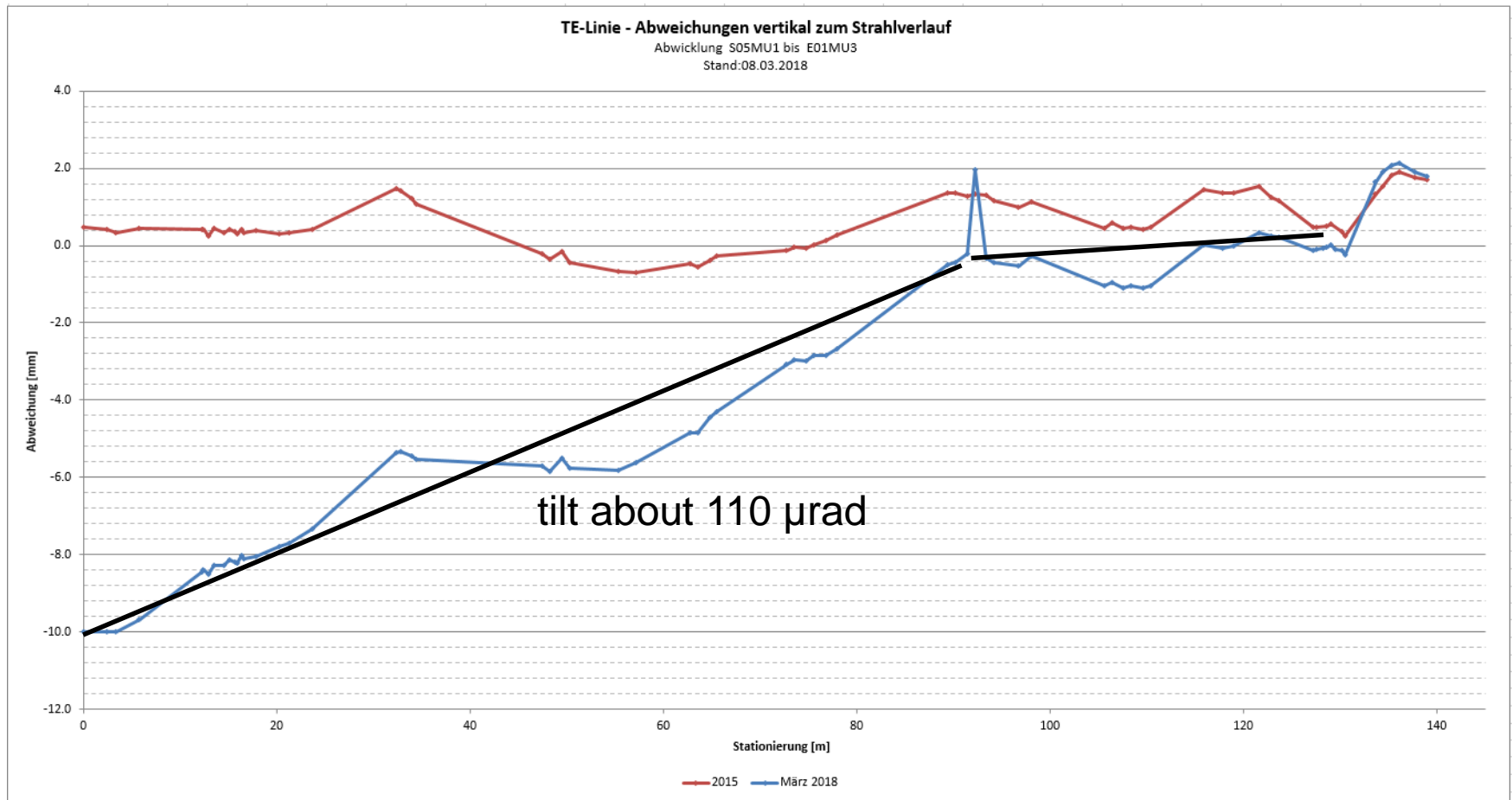
- Data from Ina's team now available
- SIS tilt about 145 μrad



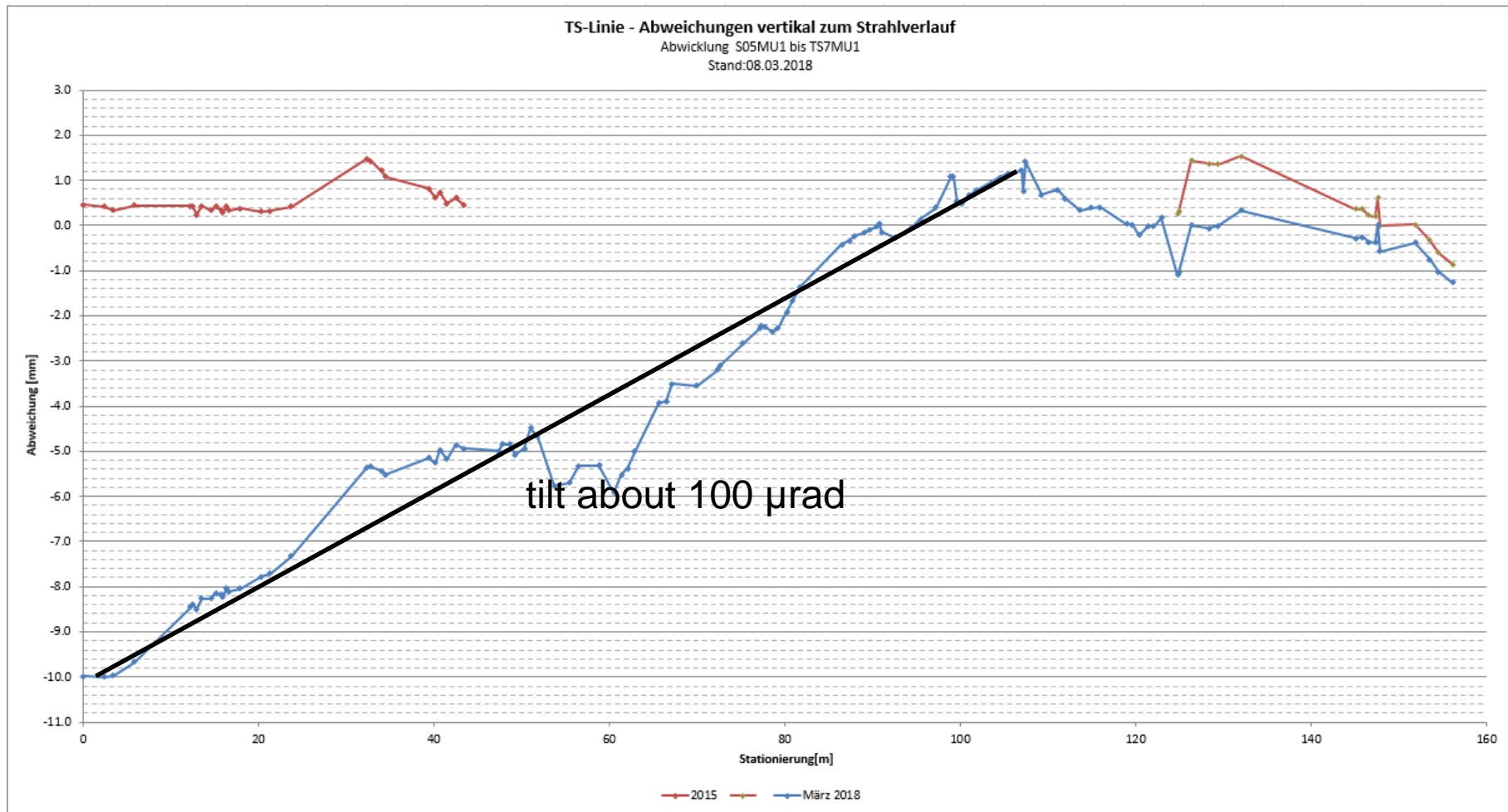
- HEST tilt – TH line

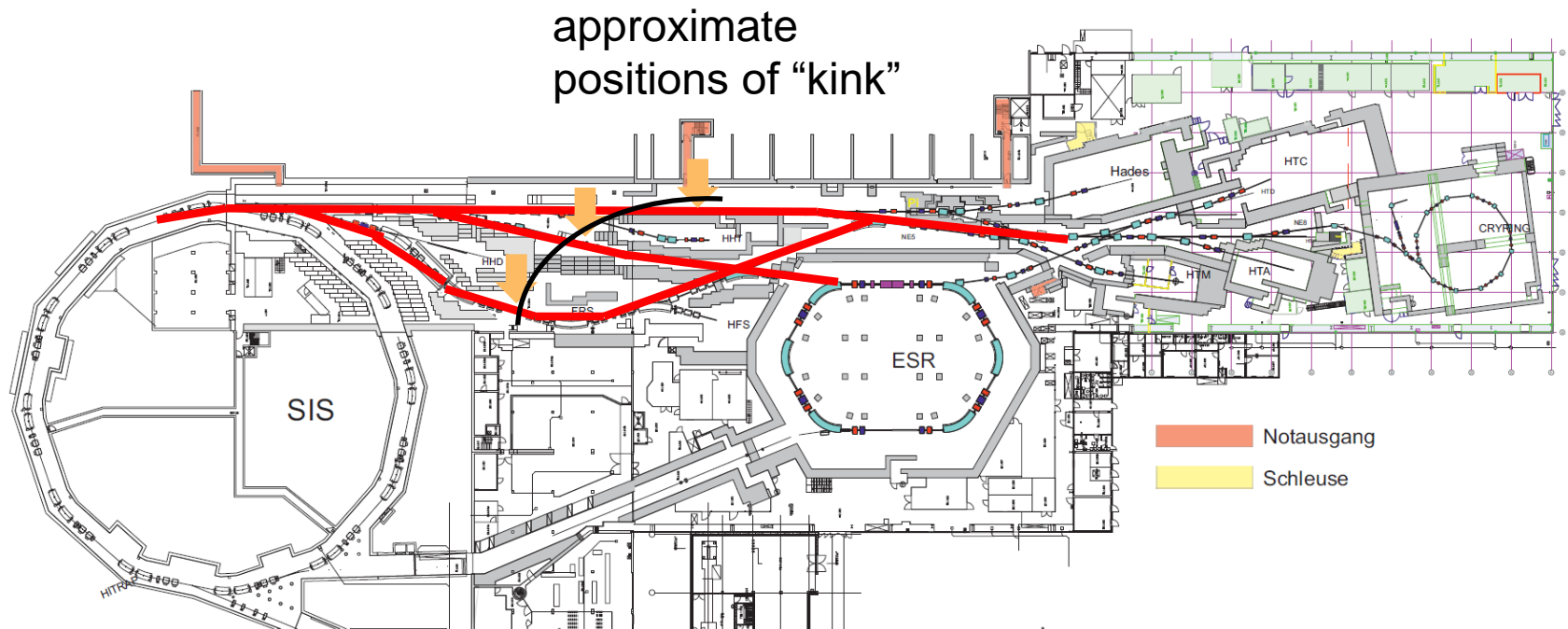


HEST tilt – TE line



■ HEST tilt – TS line





Questions:

- where are the borders of the fundamentals of EX-halle?
- Exact transformation from “cryptic” survey coordinates to magnet positions

- EX building not tilted the same way as SIS building
- the tilt smoothly transitions to *flat* region, leaving ESR and Targethalle unaffected
- the *kink* is ~ 0.1 mrad, our kickers can do ~ 2.4 mrad (18 Tm)
- To do:
 - locate the exact *kink* area,
 - check which kickers shall be used,
 - eventually “smoothen” the kick by regulating magnets positions (especially for HFS)
 - check if there are vertical aperture limits in this region
- Survey will be repeated in May