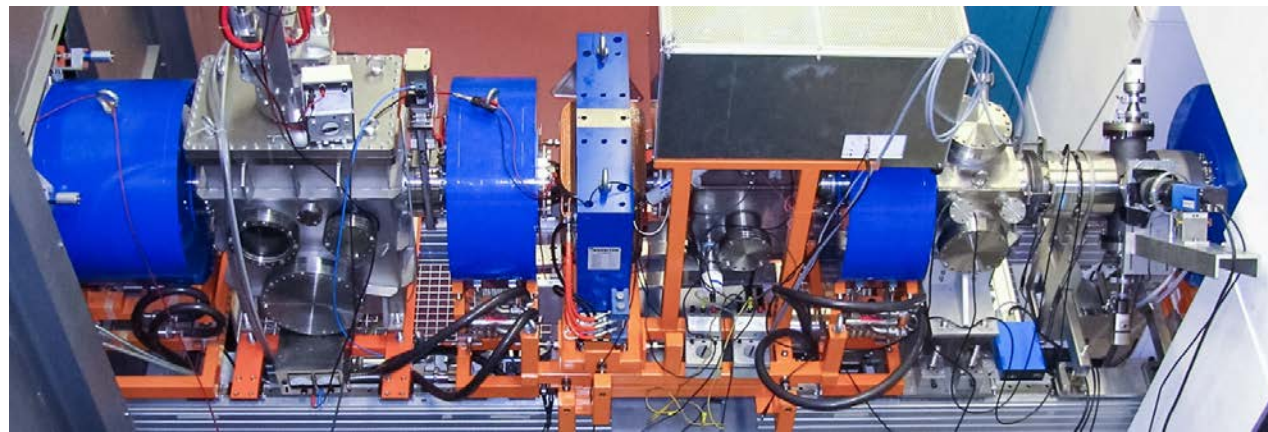
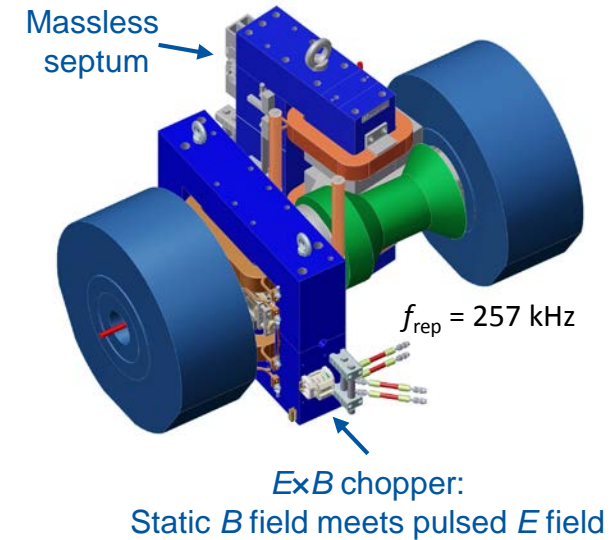


# Ph.D., Frankfurt Univ.: "Chopping and Transport of High-Intensity Ion Beams"

Low Energy Beam Transport Line of the FRANZ facility ( $p$ , 120 keV)

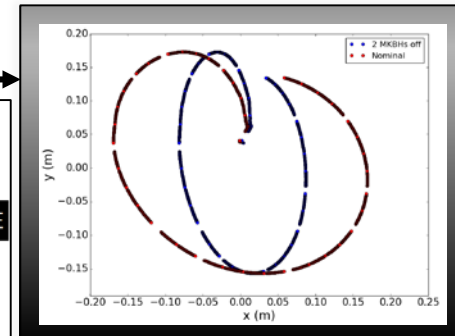
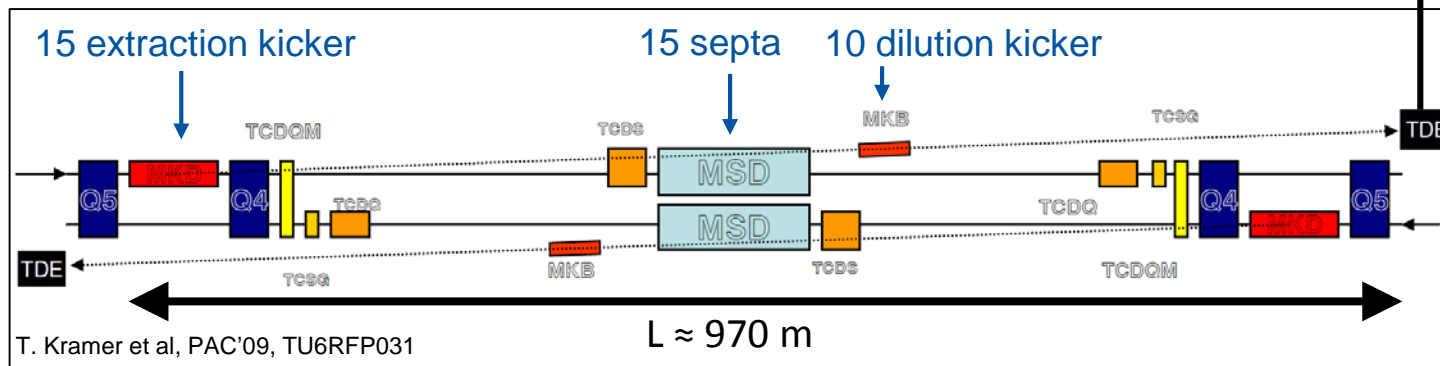


$L = 3.7$  m



## Since June 2016: CERN Fellow (TE-ABT-BTP) for HL-LHC

LHC dump line ( $p$ , 6.5 TeV)



Simulated beam pattern at dump:  
nominal and with 2 MKBH failing.

Upgrade of dump system? Add additional MKDs/MKBs? Failure scenarios? Asynchronous dumps?