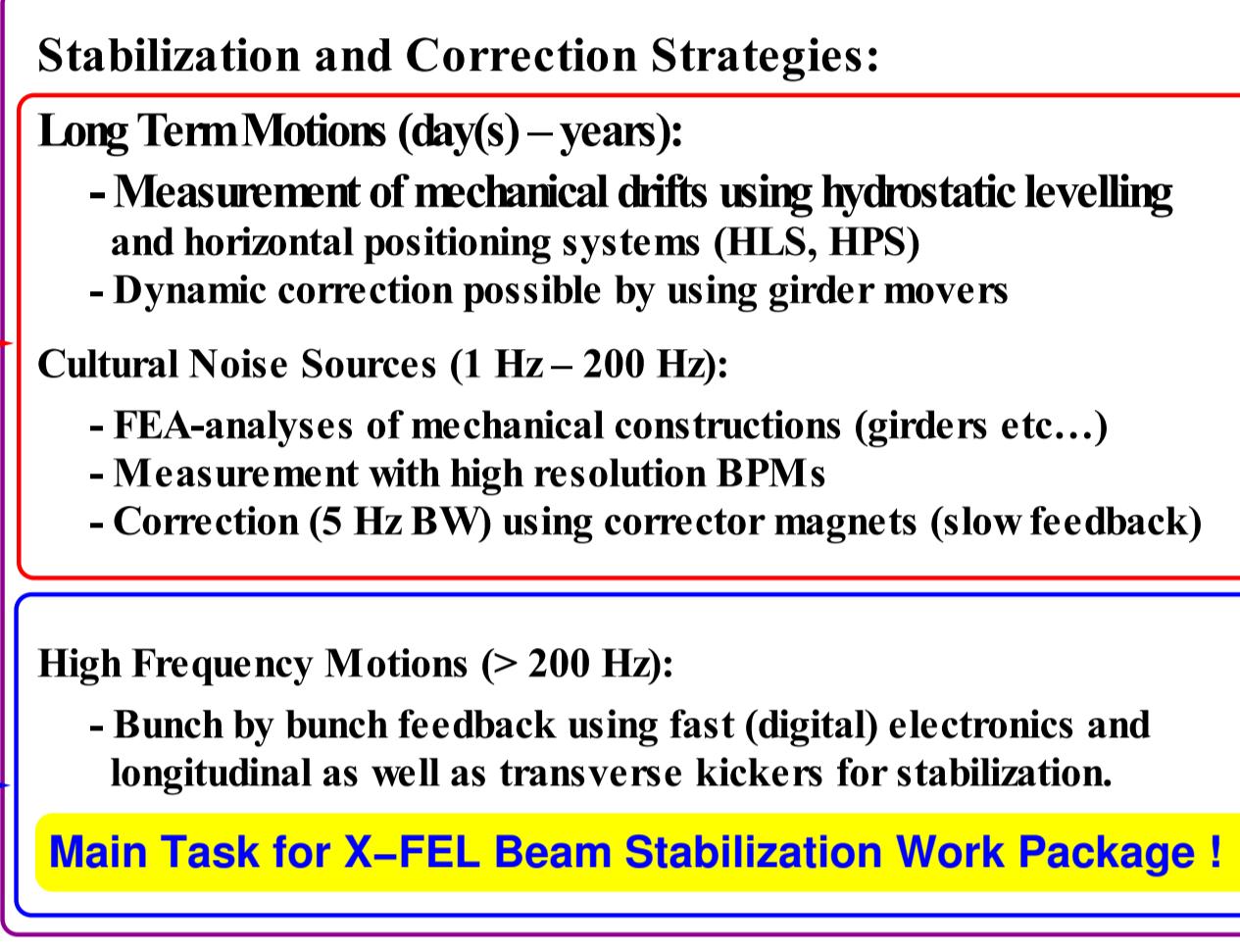
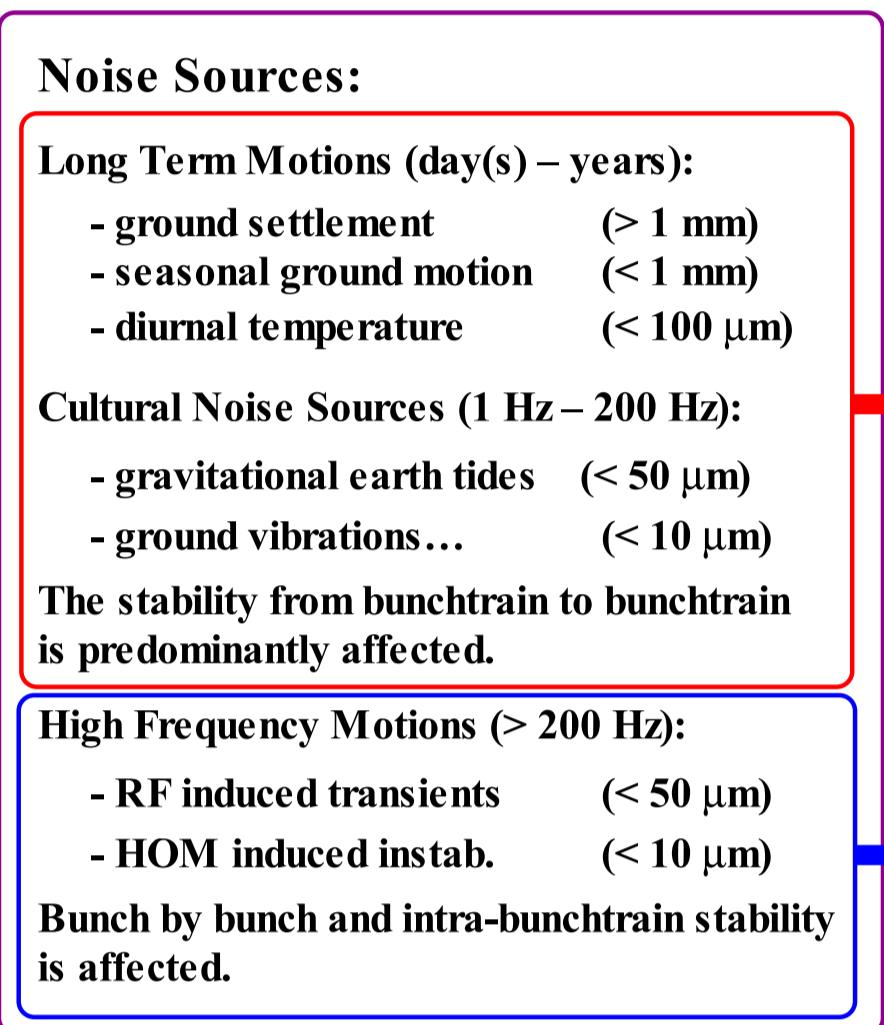
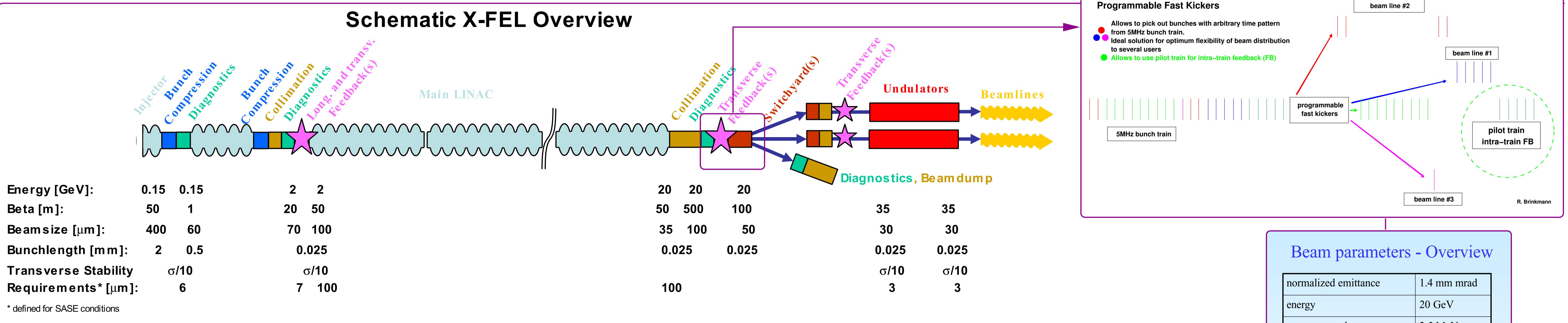


# Electron Beam Stabilization

In collaboration with: Paul Scherrer Institut (PSI)



## Schematic X-FEL Overview



**Beam parameters - Overview**

normalized emittance	1.4 mm mrad
energy	20 GeV
energy spread	2.5 MeV
peak current	5 kA
minimum bunch distance	200 ns
maximum pulse length	0.65 ms
repetition rate	10 Hz
average beam power	650 kW
bunch charge	1 nC

