



Introduction into XFEL separation scheme - W. Decking - 10 min

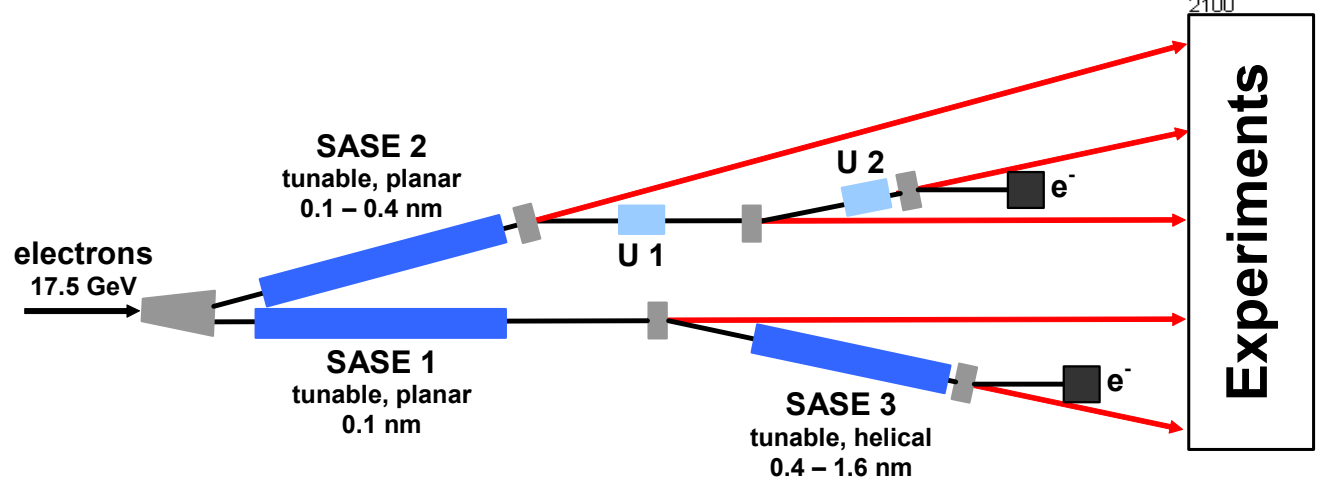
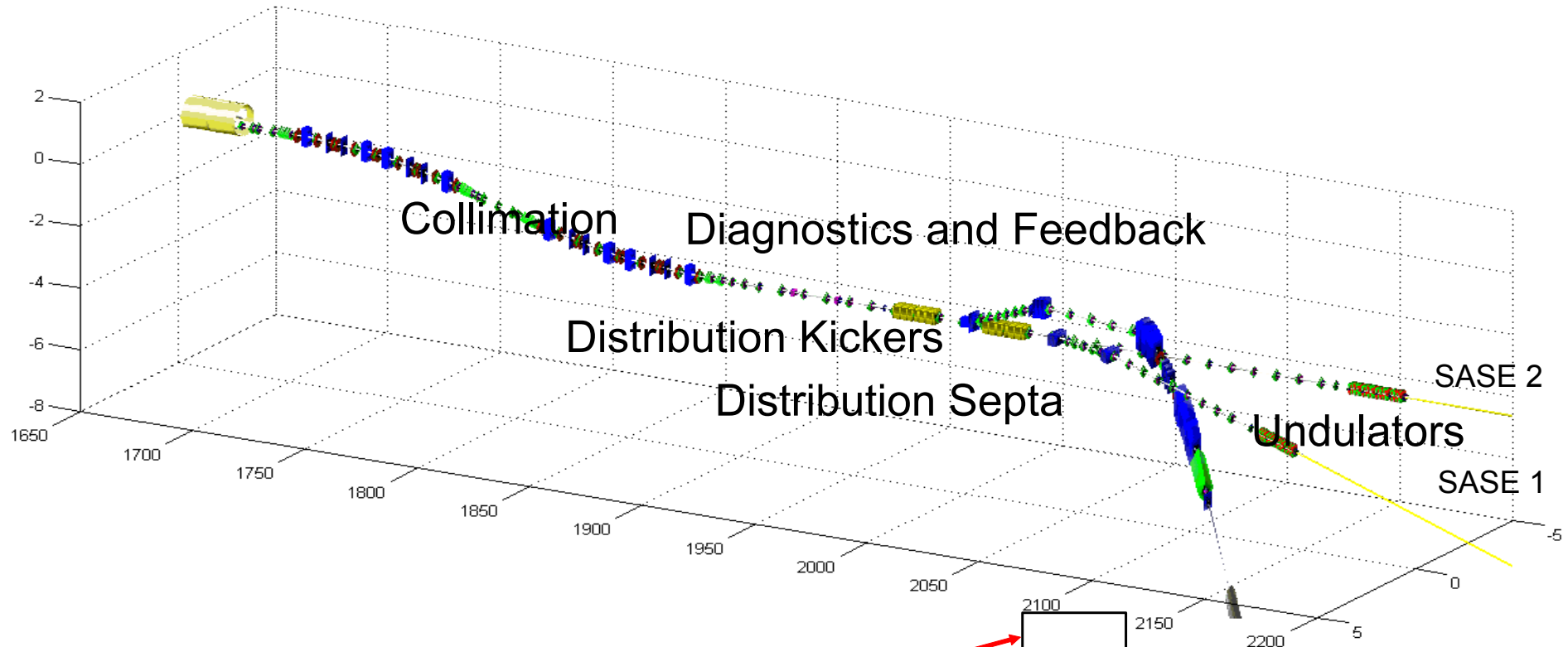
Separation Options for hor./ver. kicks - N. Golubeva/V. Balandin - 10 min

DC Septa Designs (Current Sheet and Lambertson) - B. Krause - 10 min

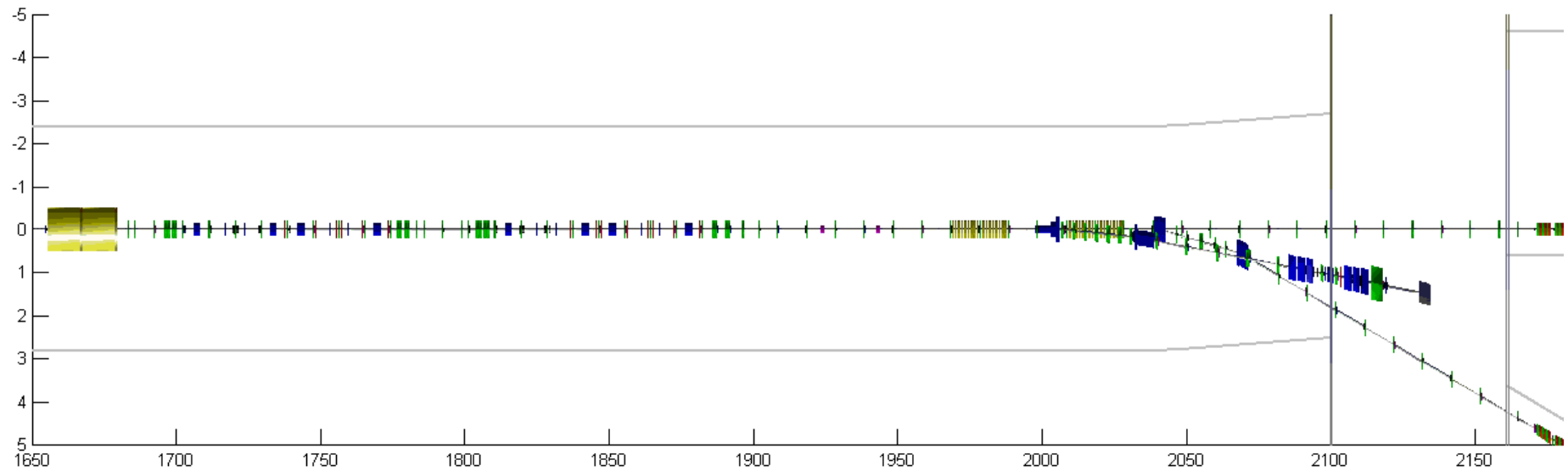
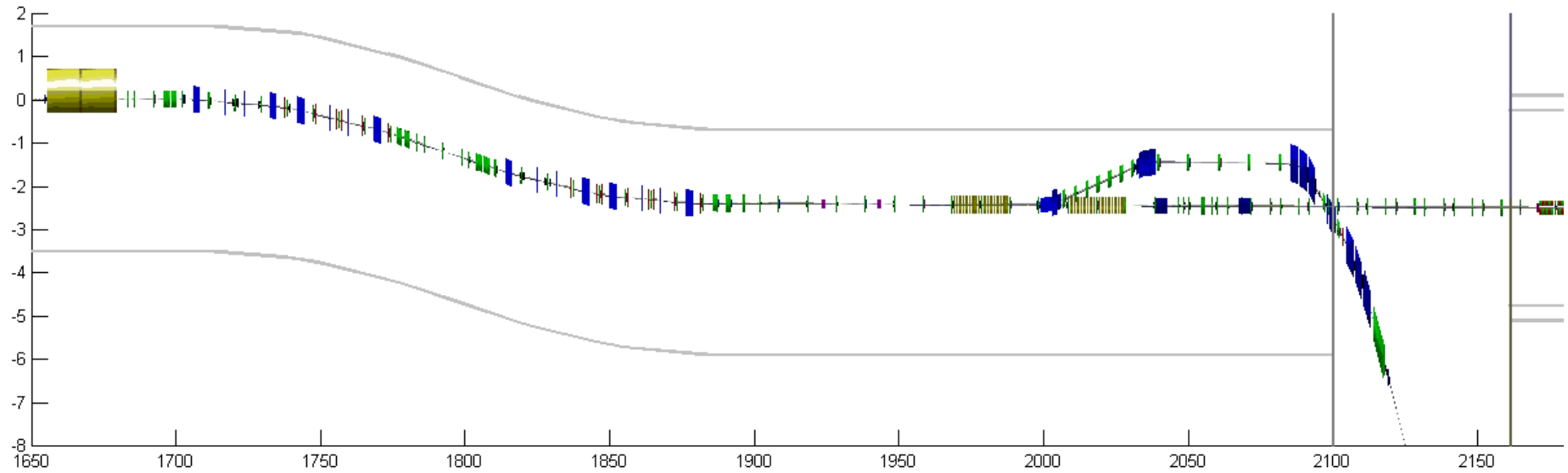
AC Septa Design and Stability - K. Mueller - 20 min

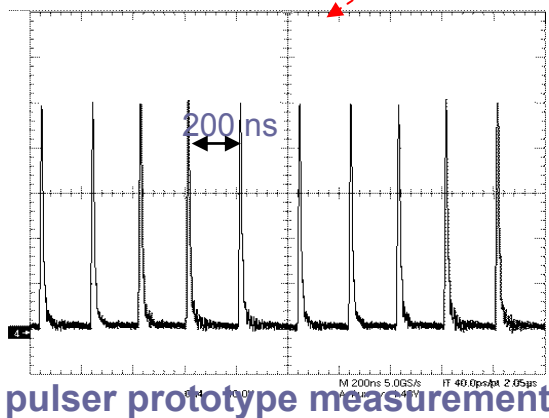
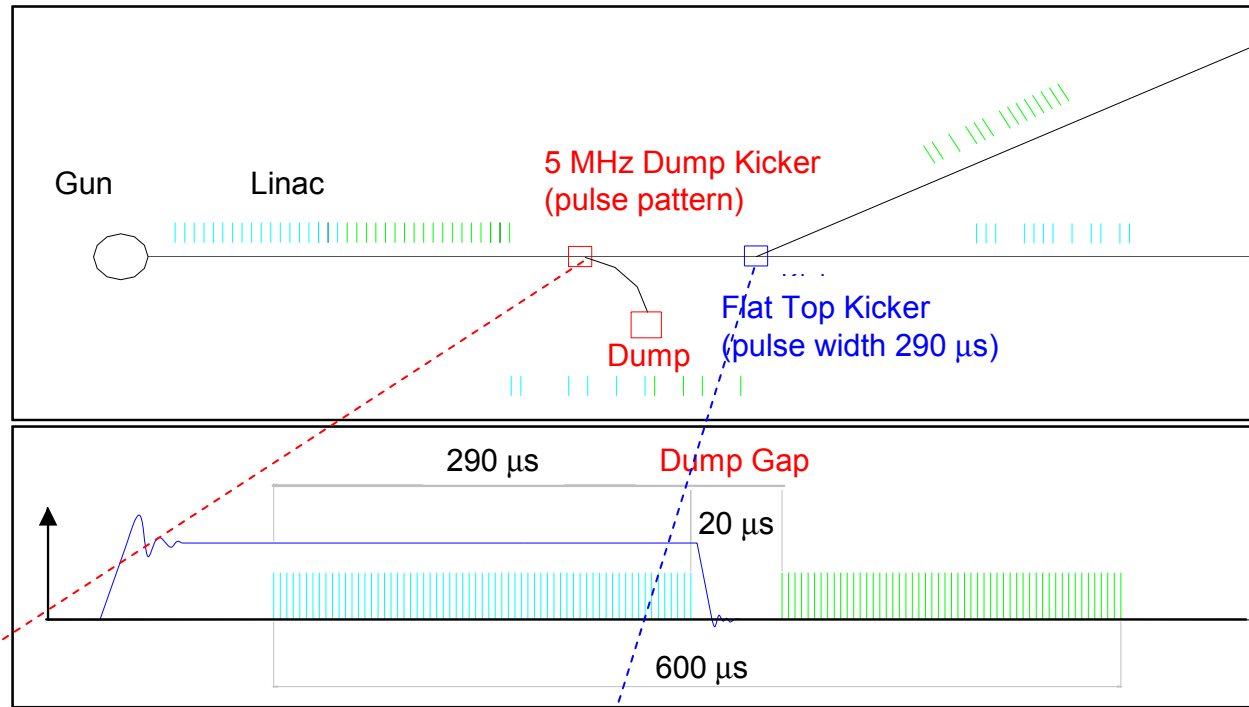
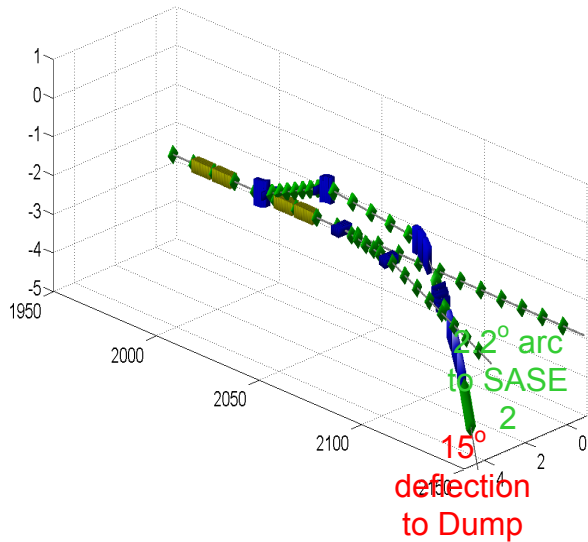
DC Power Supply Stability - J. Eckoldt - 10 min

Collimation and Switchyard

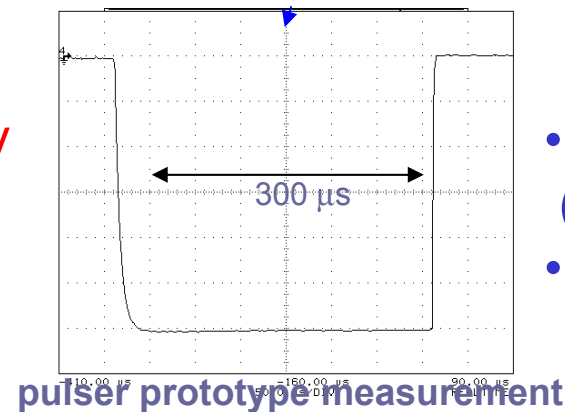


Topology - Top and Side View





- low accuracy (>1 %)
- 5 MHz burst operation



- high accuracy (< 0.01 %)
- 10 Hz operation



- Stability goal at undulator $< 1/10 \sigma$
- Stability goal at dump $< 10 \sigma$
- Kick strength approx $300 \sigma \Rightarrow$ rel. amplitude stability $3e-4$
- Septum deflection approx $4000 \sigma \Rightarrow$ rel. amplitude stability $2.5e-5$



- 1) Hor. Kicker + Hor. DC Septum
- 2) Hor. Kicker + Hor. AC Septum
- 3) Ver. Kicker + Hor. Lambertson Septum