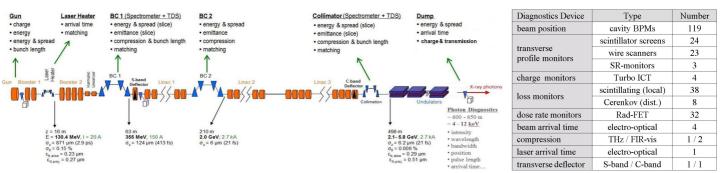


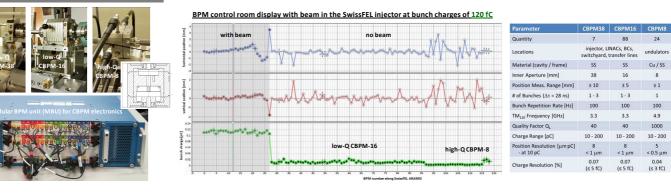
Commissioning Results and First Operational Experience with SwissFEL Diagnostics

V. Schlott, V. Arsov, M. Baldinger, R. Baldinger, G. Bonderer, S. Borelli, R. Ditter, D. Engeler, F. Frei, N. Hiller, R. Ischebeck, B. Keil, W. Koprek, R. Kramert, D. Llorente Sancho, A. Malatesta, F. Marcellini, G. Marinkovic, G.L. Orlandi, C. Ozkan Loch, P. Pollet, M. Roggli, M. Rohrer, M. Stadler, D. Treyer Paul Scherrer Institut (PSI), Diagnostics Section, CH-5232 Villigen PSI, Switzerland

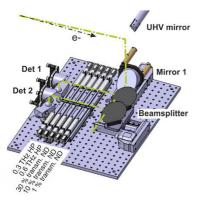
Diagnostics Overview of SwissFEL (ARAMIS Branch)

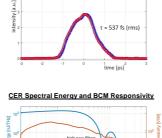


Beam Position Monitors details on SwissFEL BPMs are presented in: Keil et al. TUPCF17 and Stadler et al. TUPFC18



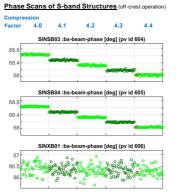
BC-1 Compression Monitor



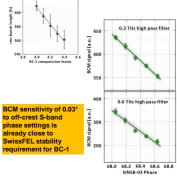


ured with S-band TCAV

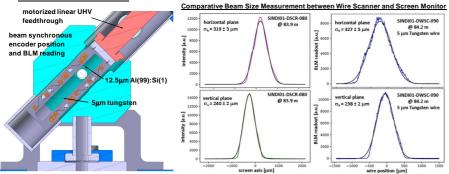
Bunch Length behind BC-1 (meas







Wire Scanner details on SwissFEL WSCs are presented in: Orlandi et al. WEPCC16



Gun Laser Arrival Time Monitor

balanced optical cross correlator (BOXC) measures IR gun laser oscillator pulses vs. amplified IR output (1.3 km optical beam path) and stabilizes to <10 fs (rms). In preparation: UV LAM stabilizing to pulsed optical reference signal

