



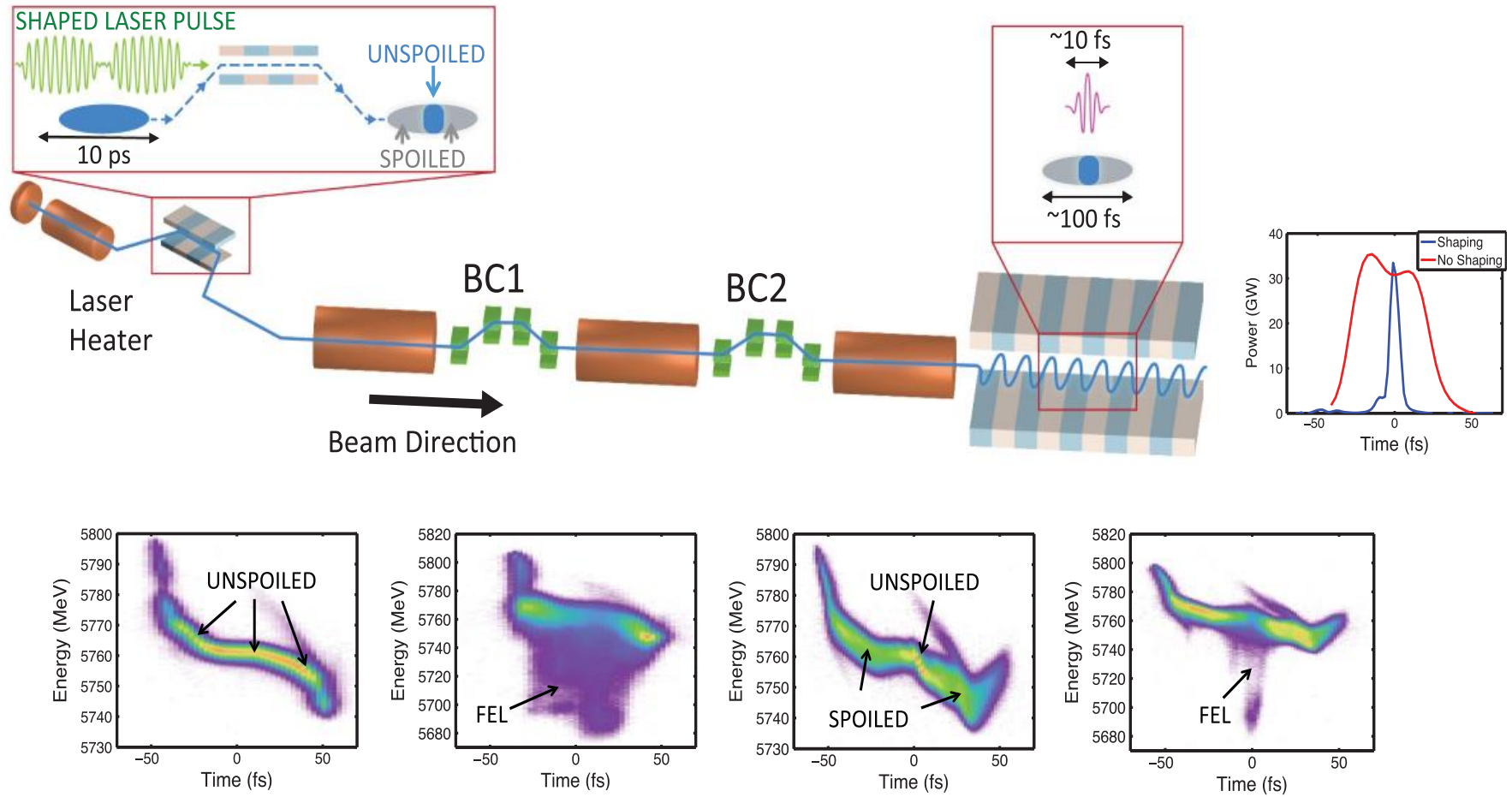
# Steps towards partial overheating of the Electron bunch

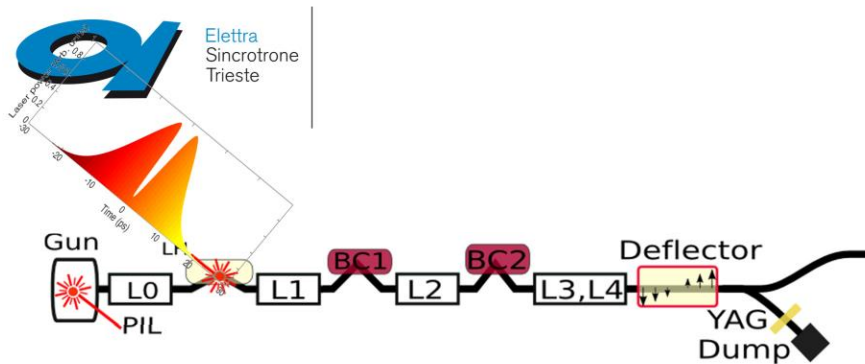
*C. Mai*

Center for Synchrotron Radiation (DELTA)  
TU Dortmund

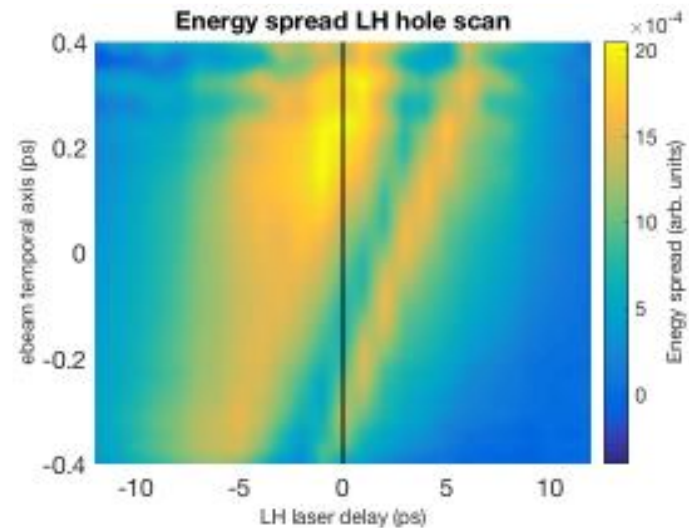
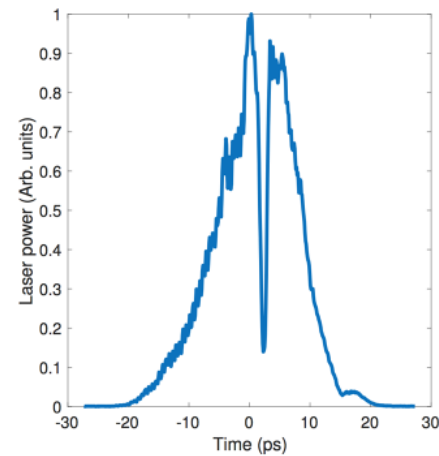


A. Marinelli et al., Phys. Rev. Lett. 116, 254801 (2016) [modified]

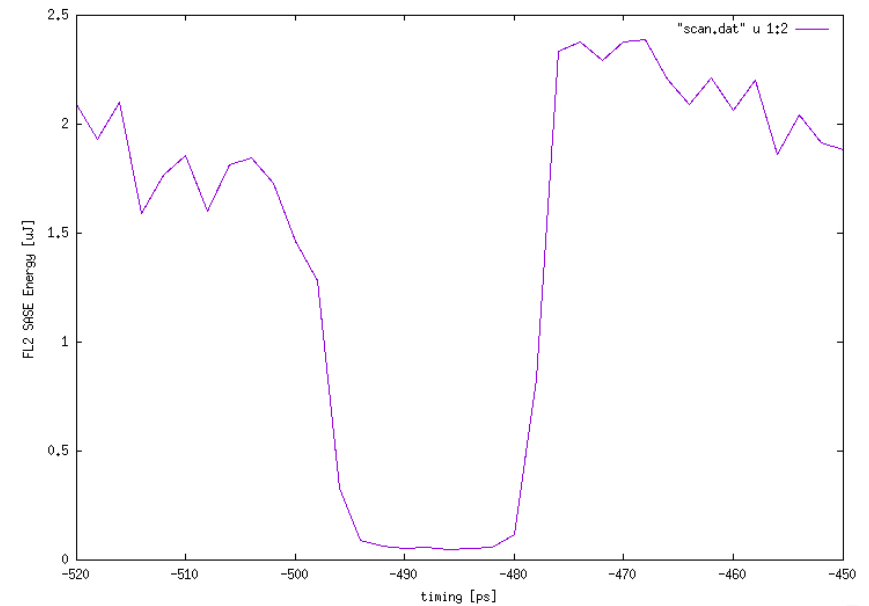
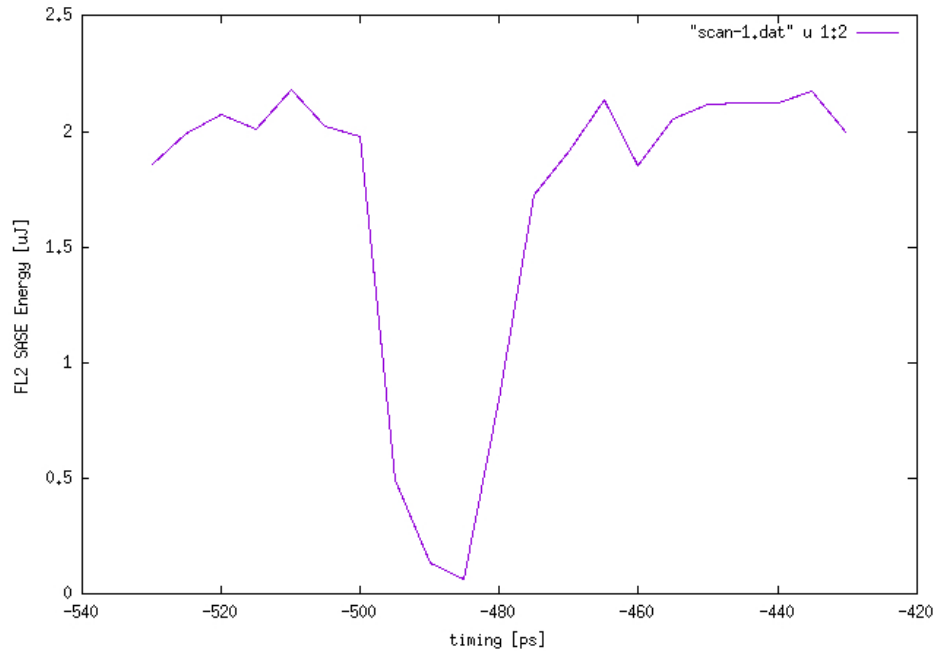




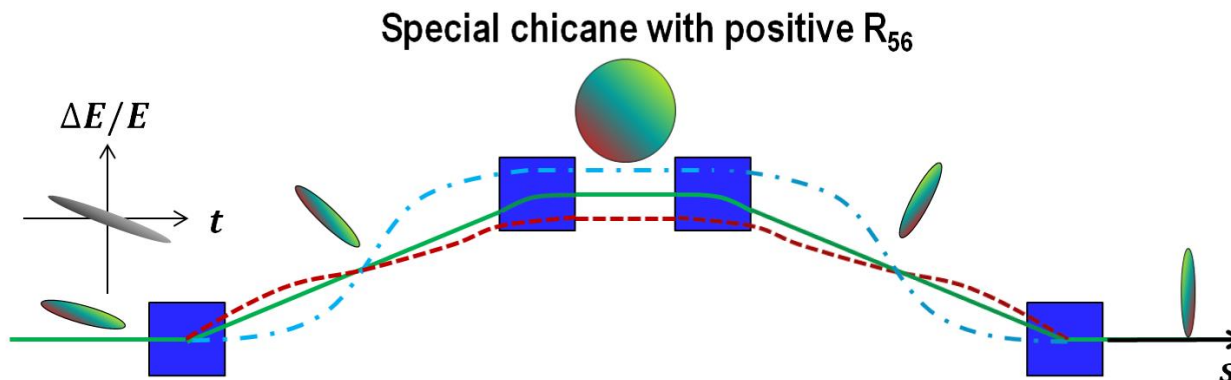
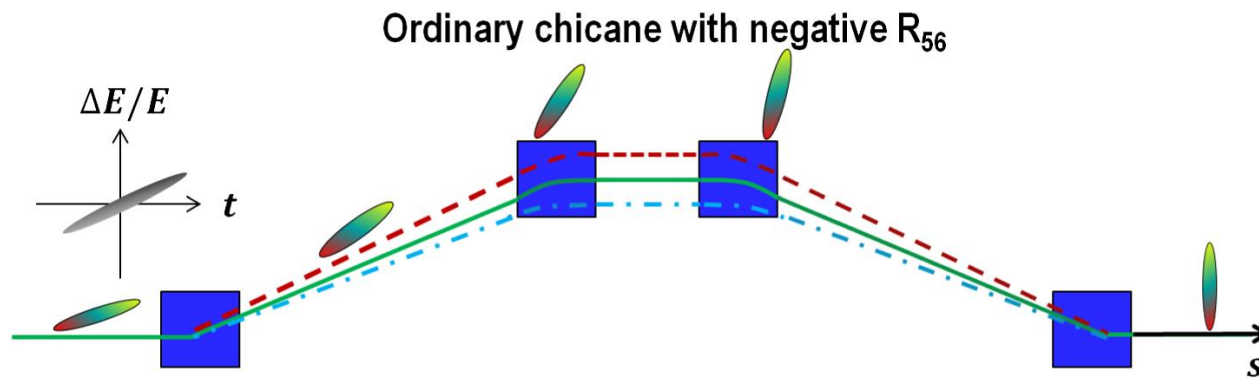
E. Allaria et al., “Non-standard use of Laser Heater for FEL Control and THz Generation”, FEL2017, 558 (2017).



- scan of the laser arrival time



- to avoid too strong influence of BC1 & BC2, the chicane effect could be reversed (?)
- further methods to be discussed with Philipp



A. He et al., PRAB 18, 014201 (2015).

# Partial Heating of the Electron Beam @ FLASH?

6

- setup as will be used to test Tanaka scheme
- impact of bunch compressors could be too strong

