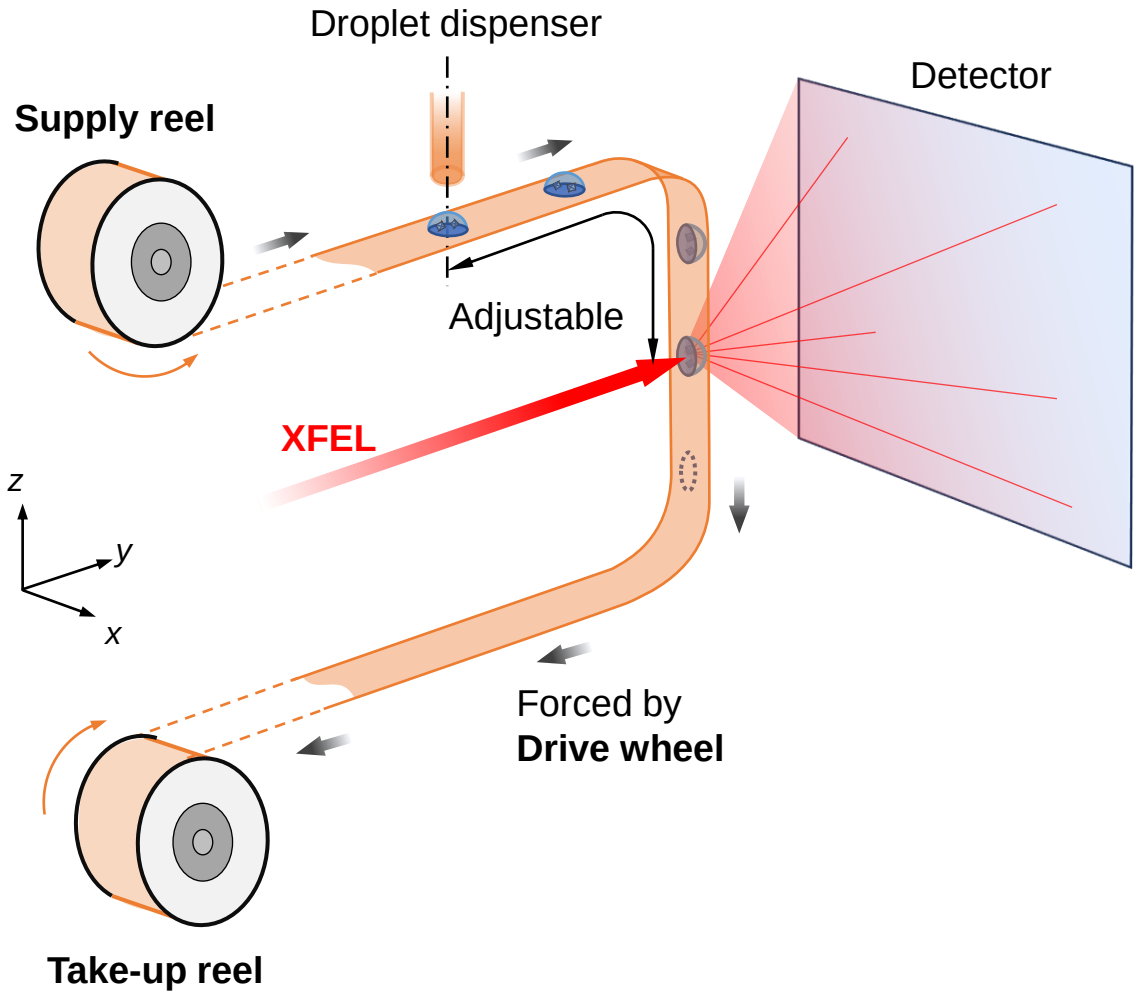
Summary of the breakout session B

Time-resolved SFX using a belt conveyor setup at SACLA



- Supplement of clean tapes
- Alignment of the droplet position to the XFEL irradiation position
  - XFEL irradiation in front of the droplet through the tape
  - No need to increase the droplet height
  - No need for water-repellent tape
- Available to install to the DAPHINS platform with few changes

Programs

Chair: E. Nango

"*The specification and development progress of a belt conveyor setup at SACLA*"

J. Kang

"*Pump-probe time-resolved experiments of microbial rhodopsin*"

T. Fujiwara

"*Visualization of substrate binding to an enzyme by mixing two droplets on a tape*"

F. Luo

"*Anaerobic sample handling with a belt conveyor system at SACLA*"

S. Nagano

Discussion

- Stability for the tape driving

- Diffusion of sample crystals and substrate molecules in the droplet after mixing for droplet mixing experiment

- Sample consumption problems

- Further development for user-friendly interfaces

- Further options for sample conditions