

ID3B | Beamline Update FMB | Functional Materials Beamline | MSN-C

Plans for Fall 2020 FMB will focus on bulk and microbeam SAXS/WAXS measurements for ex-situ samples. We intend to enable these experiments without requiring users to be physically present at CHESS.

MSN-C Access Model

Work should be discussed with Louisa Smieska, Arthur Woll, or Hilmar Koerner before proposal submission.

Experiment	Access Mode: MSN-C	Estimated Fraction of Time
Bulk or Microbeam SAXS/WAXS: ex-situ samples	Remote / Mail-in option	70%
Microbeam SAXS/WAXS: in-situ environments	Special project only	10%
Absorption/phase-contrast imaging: in-situ environments	Special project only	10%
Commissioning: motorized detector table remote mode switching; sin²Ψ residual stress measurements	MSN-C staff	10%

Remote | User sends sample to CHESS, logs in remotely to choose scan parameters, analyzes data with assistance from staff.

Mail-in | User sends samples to CHESS, staff handles data collection locally, user analyzes data with assistance from staff.

Special projects | User sends samples to CHESS, staff leads experiment and analysis with extensive, real-time input from user