Contribution ID: **67** Type: **not specified**

Development of 3D printed nozzles for time-resolved serial crystallography

Protein microcrystals can be delivered into an x-ray beam produced by an X-ray free electron laser or synchrotron via liquid jets. Such jets can be created by gas virtual dynamic nozzles (GDVNs) to achieve fast, micron diameter jets. The project is aimed to further development and study of a device fabricated with 3D printing for the application in serial crystallography. It will include design and 3D printing of nozzles with the state-of-the-art 3D printer; device assembly in the nozzle lab and jetting tests.

Group

FS-ML

Project Category

A4. Development of experimental techniques

Special Qualifications

DESY Site

Hamburg

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