## **DGK conference 2022**



Contribution ID: 26 Type: Talk

## Operando diffraction studies of mechanocatalytic reactions: challenges, technical developments and scientific insights

Wednesday, 16 March 2022 15:50 (20 minutes)

Mechanochemistry has become an important method for the synthesis and conversion of materials. Extending the mechanical impact to catalysis opens a broad area of new reaction pathways. In this contribution, three examples for the successful development and implementation of an in situ mechanochemical setup for synchrotron sources will be discussed.

Primary author: WEIDENTHALER, Claudia (Max-Planck-Institut für Kohlenforschung)

**Co-authors:** PETERSEN, Hilke (Max-Planck-Institut für Kohlenforschung); RATHMANN, Tobias (Max-Planck-Institut für Kohlenforschung); SCHMIDT, Wolfgang (Max-Planck-Institut für Kohlenforschung); ETTER, Martin (DESY)

Presenter: WEIDENTHALER, Claudia (Max-Planck-Institut für Kohlenforschung)

Session Classification: Advanced Laboratory Sources and Beamlines

Track Classification: Main conference: Advances in Methods, Instrumentation and Data Analy-

sis