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Condensed Phase Techniques & Applications at the THz/Far-IR Beamline

An increasingly wide variety of condensed phase studies have been successfully undertaken at the THz/Far-IR beamline over the past few years. The combination of a small, collimated, and bright synchrotron THz photons with traditional spectroscopic techniques can offer new opportunities to scientists from fields such as nanotechnology, geology, renewable energy sources, forensics, biology, engineering and environmental science. In this paper, we will present some of these applications and current techniques, as well as new techniques which are under consideration for the study of condensed phase materials. In particular, we will present our recent efforts using a diamond-transmission cell for liquids and the ATR technique.

Keywords or phrases (comma separated)

Are you a student?

No

Do you wish to take part in the Student Poster Slam?

No

Are you an ECR? (<5 yrs since PhD/Masters)

No

What is your gender?

Prefer not to say

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