The new objective of the CCPR-WG-SP Task Group 8 is: to carry out a pilot comparison of reflection measurements by means of THz time-domain spectroscopy (THz TDS).

currently supported by:

Dr. Mira Naftaly

Dr. Kaori Fukunaga
Possible Artifacts for the Comparison

- Round, flat samples with a diameter of 50 mm (2"), i.e. large enough to reflect the entire THz-TDS beam
  
- High reflectivity: metal mirrors: Ag, Au, or Cu
  
- Medium reflectivity: z-cut quartz, HRFZ-Si or ND1,
  
- Low reflectivity: HDPE, or PVDF
Update: Schedule of the comparison

- 2024: to send an invitation to the CCPR members to ask them to take part in the pilot comparison.
  - **Email addresses** of possible participants?
- 2025: to agree on the type and number of artifacts for which reflectance will be measured using THz TDS.
- 2025: to draft the working document for the pilot comparison.

  Following CCPR-WG-SP meeting:
  approval of working document

- 2026: to conduct pilot comparison