EOS Fire
Transient Absorption Spectrometer

Transient Absorption of TPP with ns Pump
Experiment Details

- Sample: Tetra-Phenyl-Porphyrin (TPP)
- Solvent: Toluene
- Laser / OPA: NT242 by Ekspla @ 1 kHz
- Pulse duration: 3-6 ns
- Pump energy: 2 µJ
- Pump wavelength: 355 nm
- Ground state absorbance: 0.04@355nm
- Measurement time: 20 min
Ground State Absorption Spectrum of TPP in Toluene
TPP Dynamic Surface with Kinetic and Spectral Slices in Surface Xplorer Software
Dynamic Surface of TPP (Bird’s Eye View)
Dynamic Surface of TPP (3D View)
Transient Kinetics & Spectra of TPP in Toluene
Rise Time of TPP in Toluene
Experiment Details

- **Sample:** Tetra-Phenyl-Porphyrin (TPP)
- **Solvent:** Toluene
- **Laser / OPA:** NT242 by Ekspla @ 1 kHz
- **Pulse duration:** 3-6 ns
- **Pump energy:** 0.3 µJ
- **Pump wavelength:** 355 nm
- **Ground state absorbance:** 0.04@355nm
- **Measurement time:** 60 min
Ground State Absorption Spectrum of TPP in Toluene
TPP Dynamic Surface with Kinetic and Spectral Slices in Surface Xplorer Software
Dynamic Surface of TPP (Bird’s Eye View)
Transient Kinetics & Spectra of TPP in Toluene
Rise Time of TPP in Toluene