

HALCYONE Femto

Fluorescence Upconversion Spectrometer

Femtosecond Fluorescence of Coumarin 500

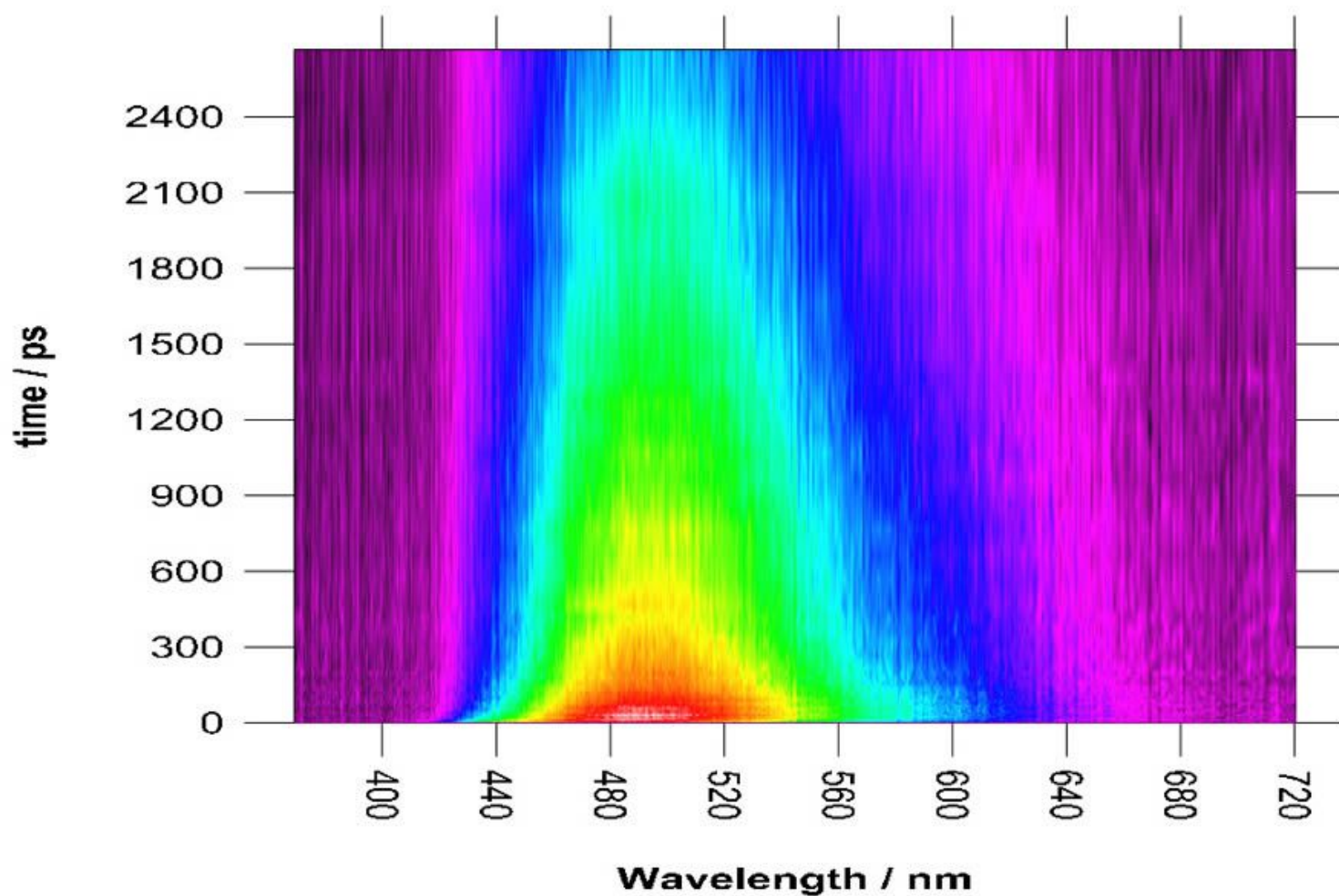
DATA EXAMPLE



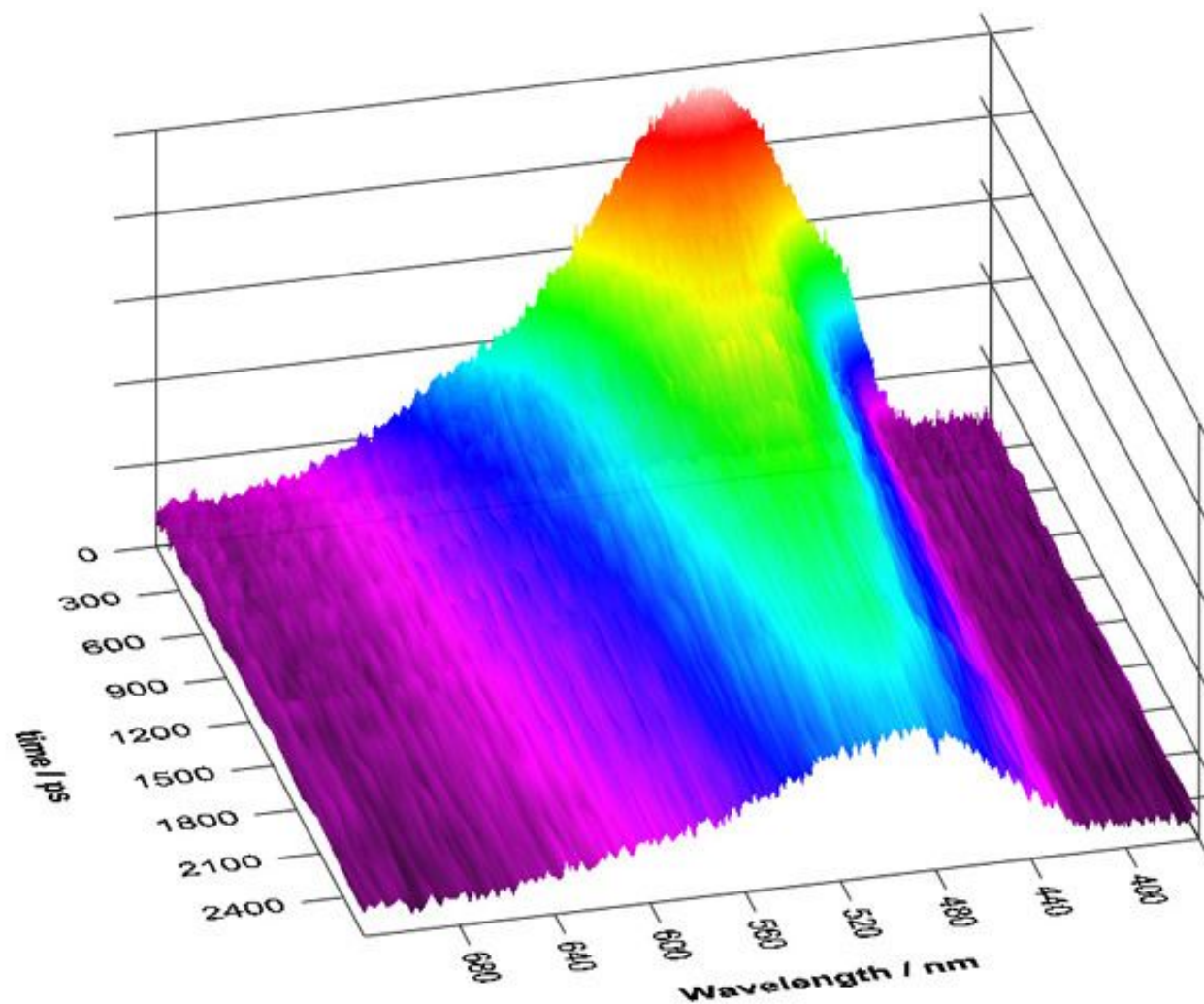
Experiment Details

- Sample: Coumarin 500
- Solvent: Ethanol
- Laser / OPA: Chameleon (Coherent) @ 80 MHz / Harmonics Generator
- Pump power: 22 mW
- Pump wavelength: 400 nm
- Averaging time per scan: 7.0 s
- Number of scans: 3
- Detector: Thermoelectrically Cooled CCD
- The SFG crystal was automatically rotated during camera integration time to capture the whole fluorescence band of the sample

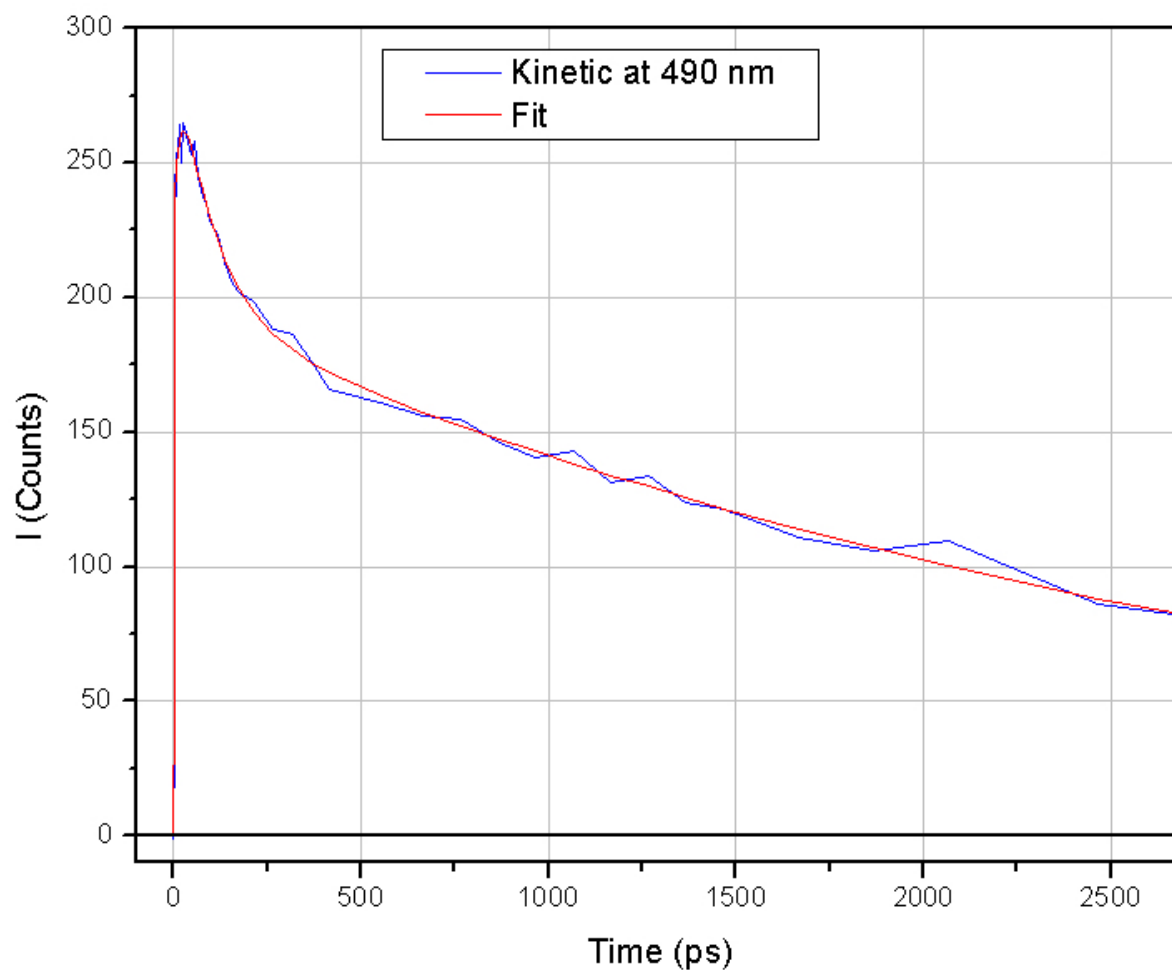
Dynamic Surface of Coumarin 500 (Bird's Eye View)



Dynamic Surface of Coumarin 500



Fluorescence Kinetic of Coumarin 500 in Ethanol



Fluorescence Spectra of Coumarin 500 in Ethanol

