

HALCYONE Femto

Fluorescence Upconversion Spectrometer

Ultrafast Fluorescence of Coumarin 480

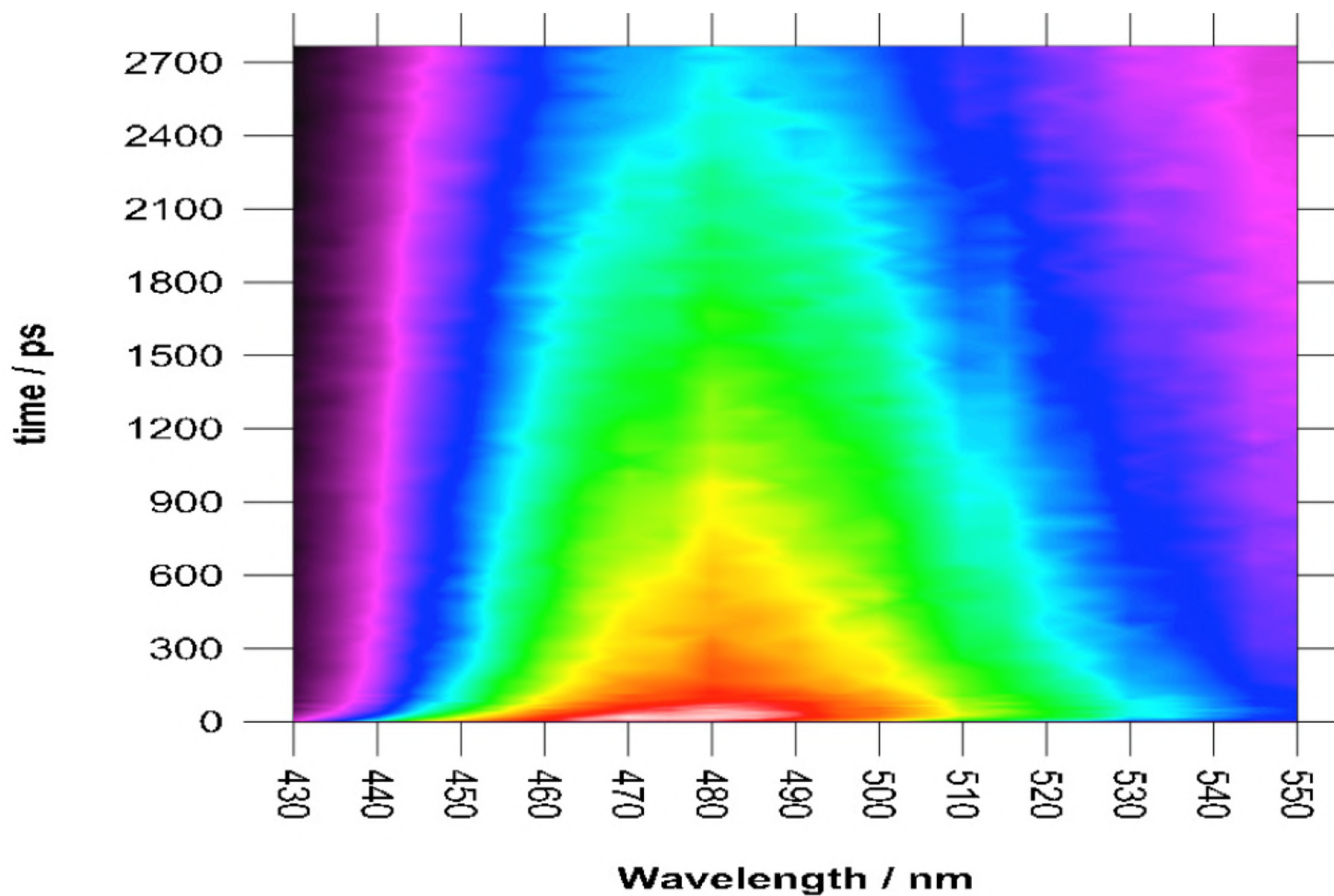


DATA EXAMPLE

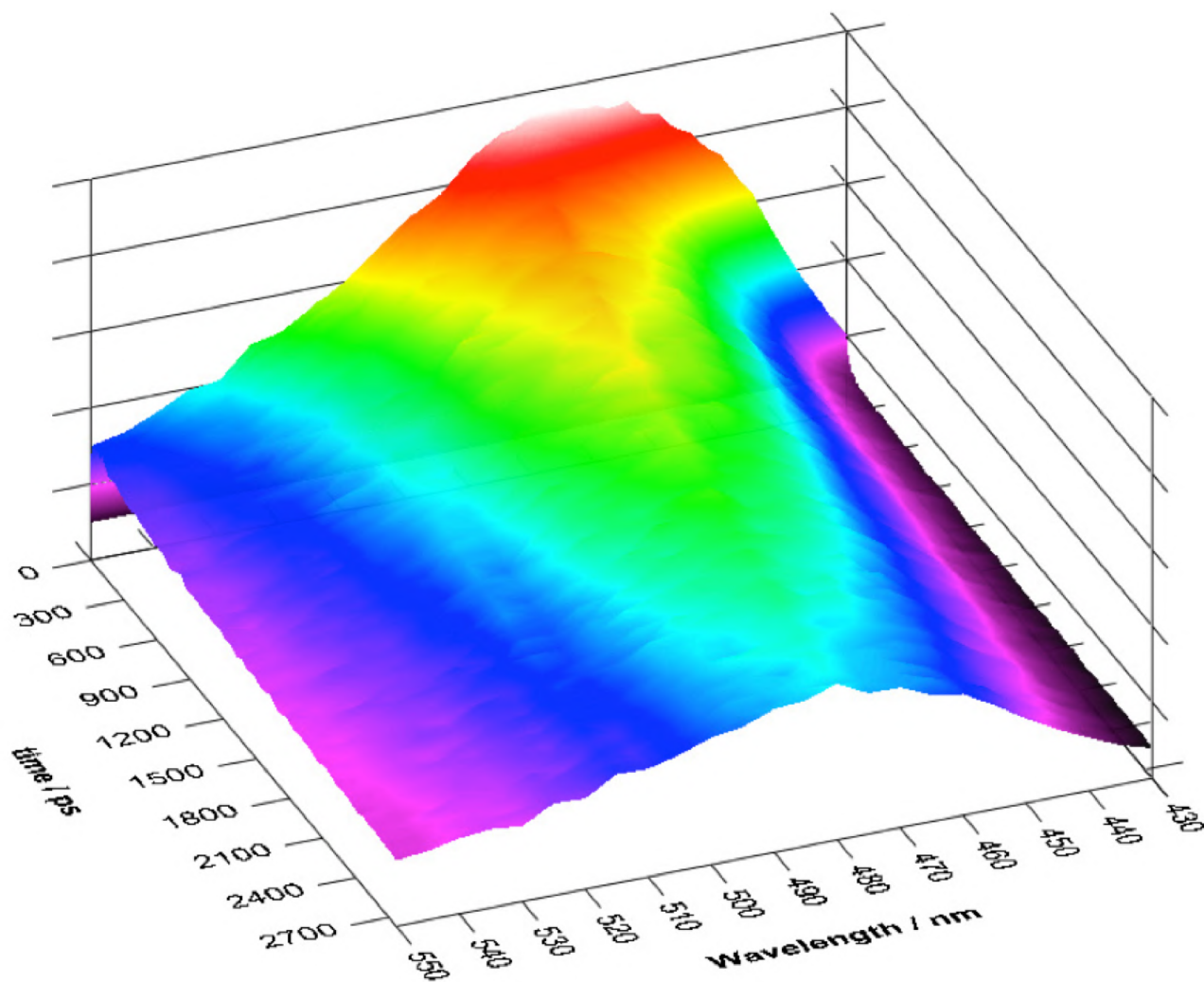
Experiment Details

- Sample: Coumarin 480
- Solvent: Ethanol
- Laser / OPA: Spectra-Physics Mai Tai @ 80 MHz / Harmonics Generator
- Pump power: 3 mW
- Pump wavelength: 400 nm
- Gate wavelength: 800 nm
- Averaging time per point: 1.0 s
- Detector: PMT
- SFG crystal angle was computer controlled for optimal signal

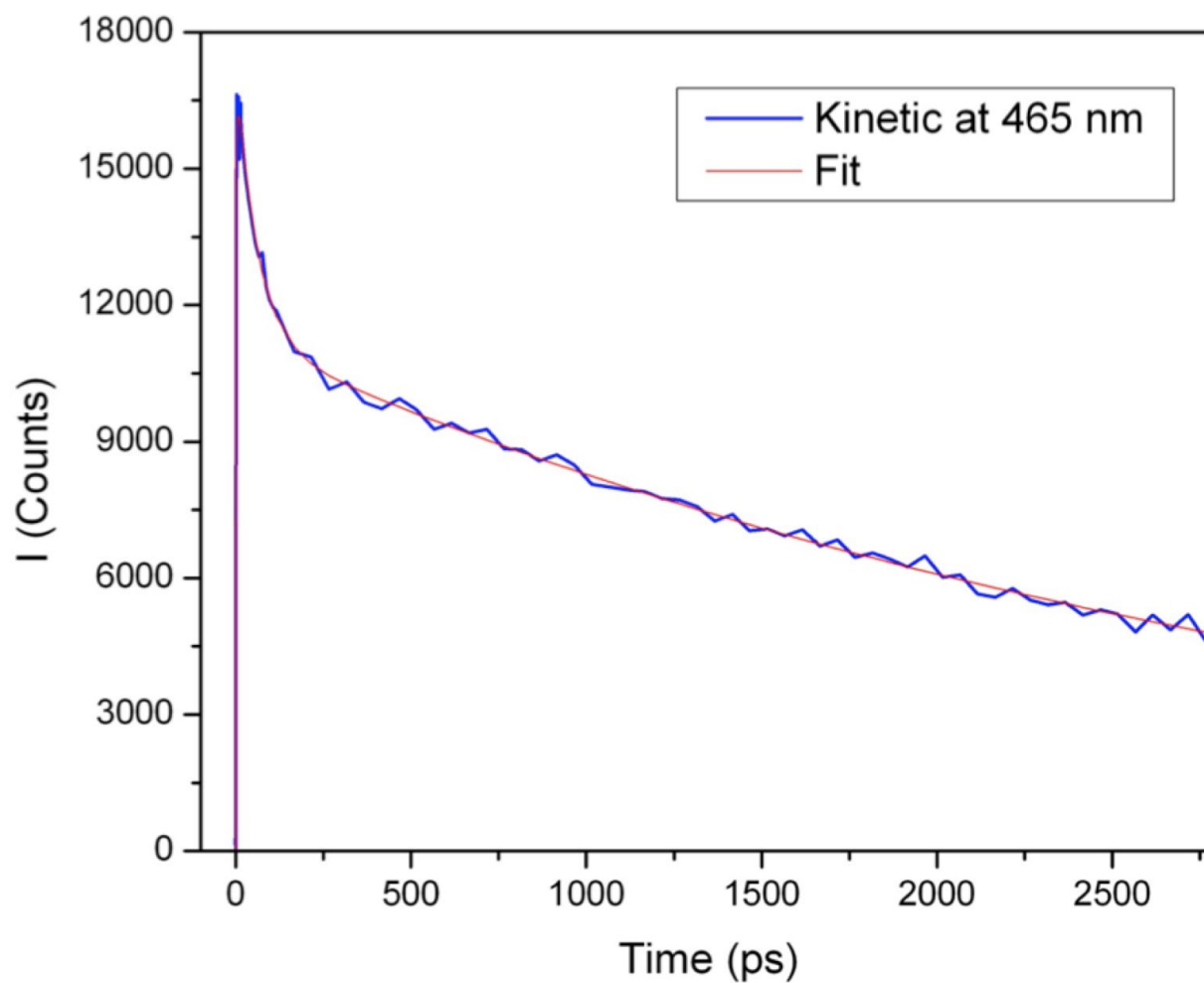
Dynamic Surface of Coumarin 480 (Bird's Eye View)



Dynamic Surface of Coumarin 480



Fluorescence Kinetics of Coumarin 480 in Ethanol



Fluorescence Spectra of Coumarin 480 in Ethanol

