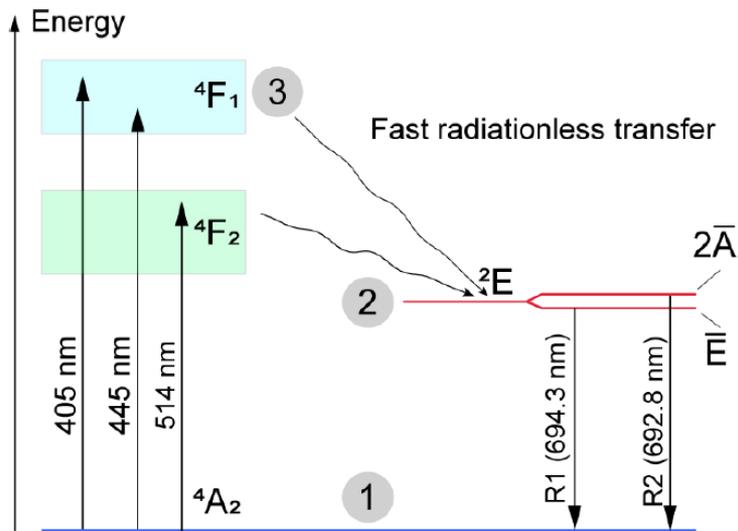


Measuring of fluorescence lifetime in ruby crystals using time domain and frequency domain techniques



Perrin-Jablonski diagram for the fluorescent process in ruby

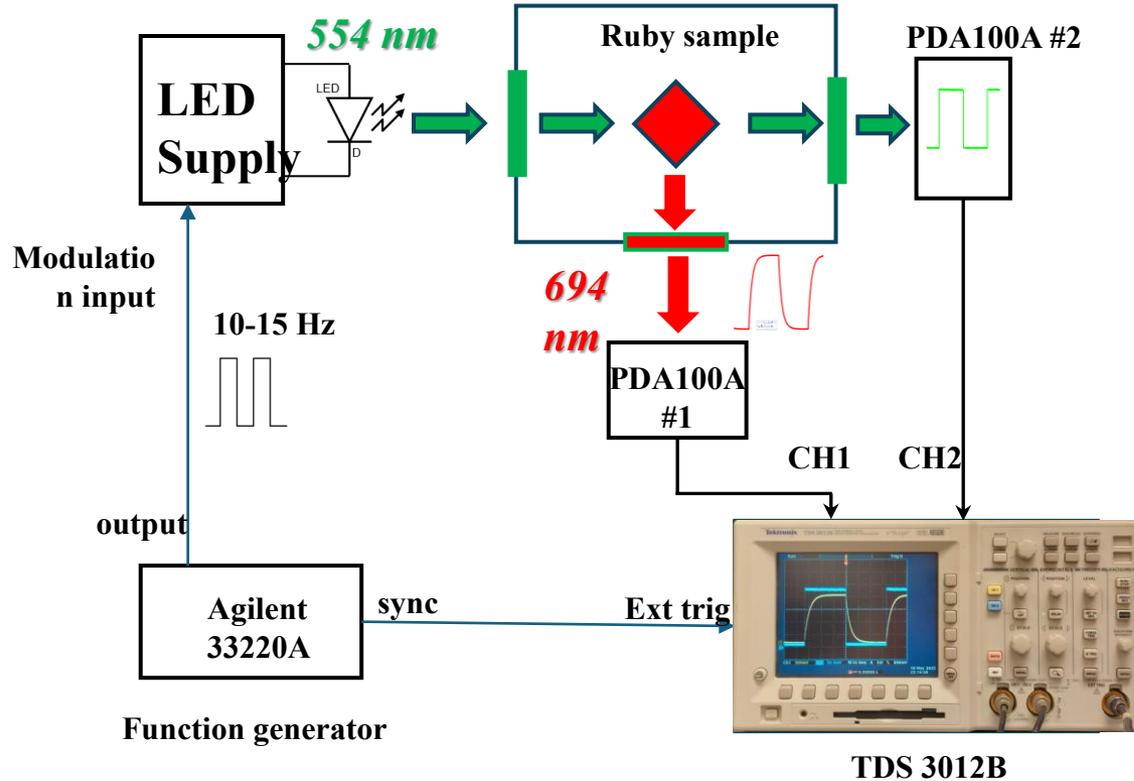
Ruby is a pinkish-red to blood-red gemstone, a variety of the mineral corundum (aluminum oxide)



Optics

The Speed of the Second
Sound

Lab logo: *Fluorescence*

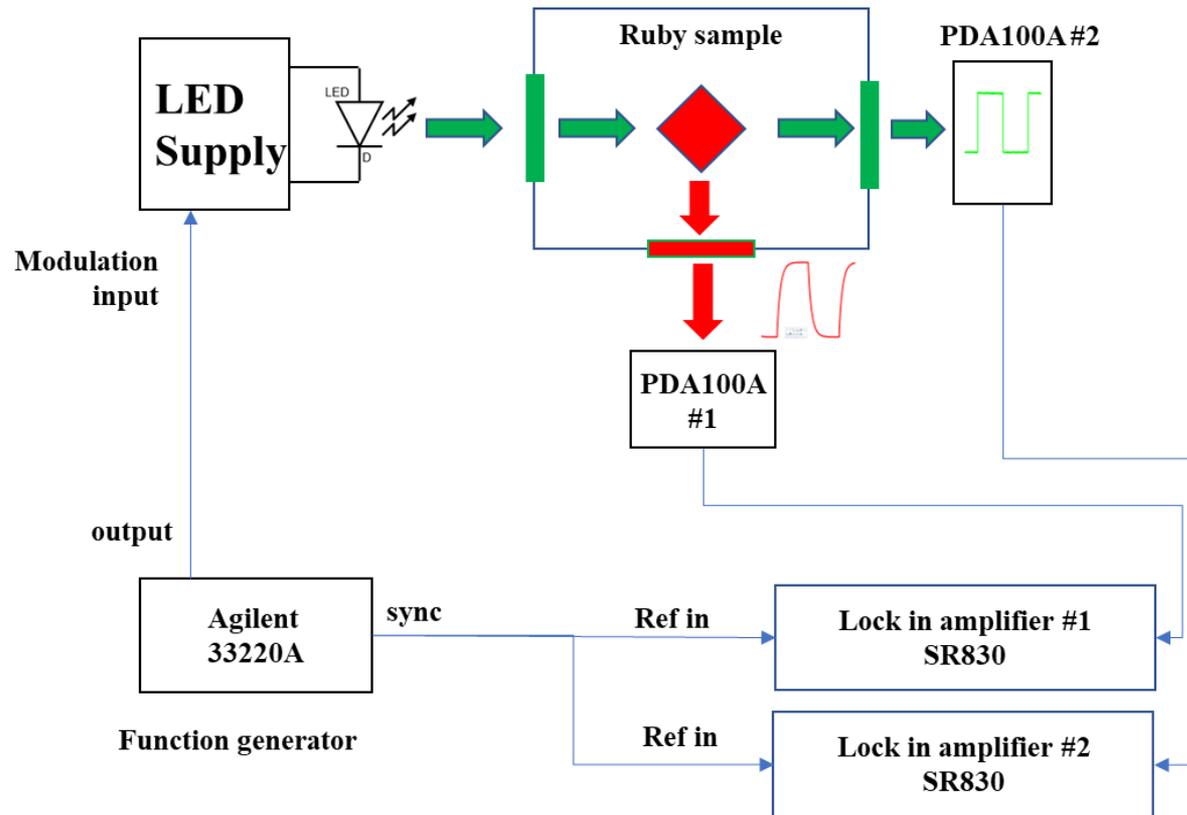


Block diagram of the experimental setup for time domain measurements

Optics

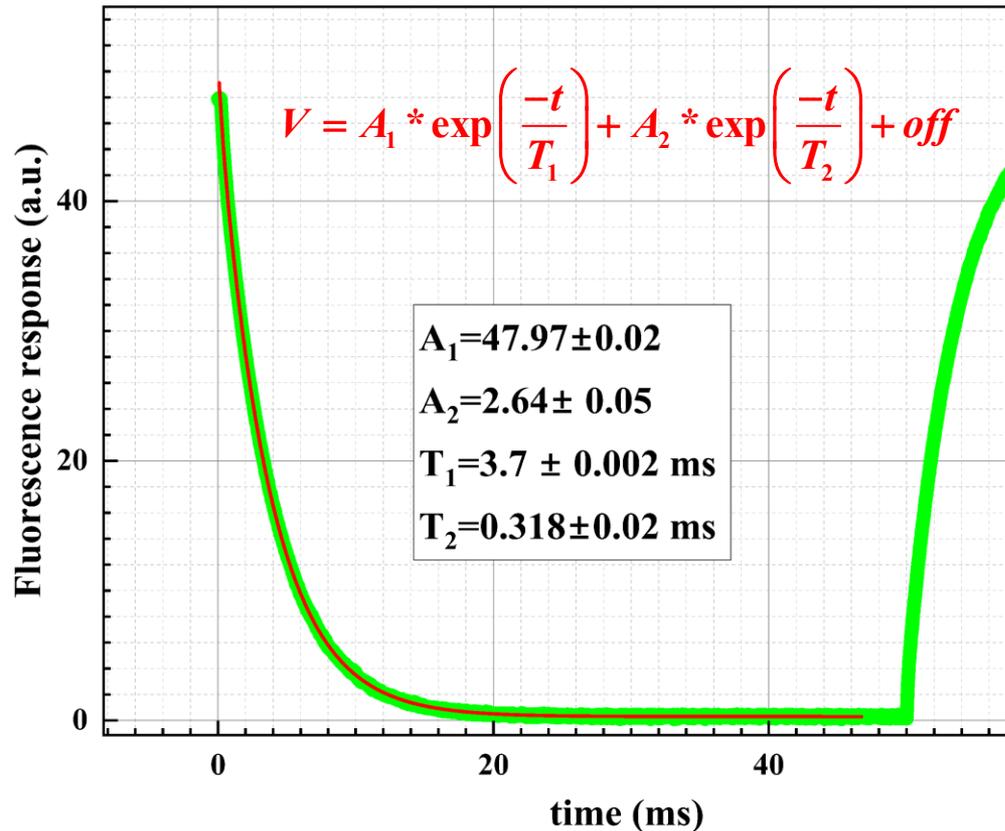
The Speed of the Second
Sound

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Block-diagram for frequency-domain measurements

Some experimental results



Time domain experiment with two exponential components fitting.