



Contribution ID: 16

Type: **not specified**

Applications of time-resolved spectroscopy measurements in biological tissues

The photon time-of-flight is one of the measurement methods of time-resolved. This measurement method allows us to study photon travel time and path length through tissue. As well as to determine absorption and scattering coefficients.

In this work, the research was carried out on cow brain, pig skin, pig adipose tissue, and pig muscles. The measurements were done in the spectral range from 600 nm to 800 nm. The photon path length, scattering, and absorption coefficients will be presented as the result of the measurements.

The research is financed by the Recovery and Resilience Facility project “Internal and External Consolidation of the University of Latvia” (No.5.2.1.1.i.0/2/24/I/CFLA/007).

Primary author: LUKINSONE, Vanesa (Dr.Phys.)

Co-author: APAĻKA, Santa

Presenter: LUKINSONE, Vanesa (Dr.Phys.)