### Aura Detector based on Luminescence

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**Abstract** In this paper Authors described aura [1] detection system based on the luminescence [2] phenomena in combination of the photomultiplier. This system can detect aura of living organisms and non-living objects. It can be used as receiver in torsion field communication systems.

### Introduction

There are many methods to detect aura of objects (aura can be treated also as spin field [3] of the object). To detect the aura of an object it can be used luminescence phenomena which is a light emission by a substance (luminophore) as result of an external influence of different types of radiation – like X-ray, any other high energy emission, chemical reaction, torsion field, scalar wave [4] etc. The idea of such "detector" was proposed by Russian scientist Alexander Barchenko – pic.1.



pic.1



pic.2

He discovered this in the first quater of the 20<sup>th</sup> century. He demonstrated how luminophore can detect human aura. In his "aura detector" he used a piece of paper covered with luminophore - calcium sulfide - CaS. To use that "detector" it needs first to be activated by the sun lights for a short time and then it can be placed above the human head as shown on pic.2. That experiment was confirmed by extrasensoric people – they can see similar aura around the human head by their 3<sup>rd</sup> eye!

# **RESULTS**

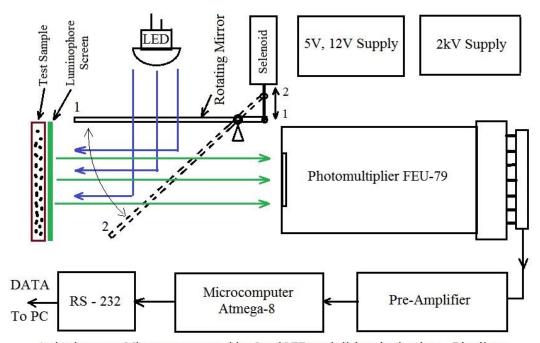
Authors of this paper developed modern aura detecting system based on the Barchenko's method by using modern electronics and computer. Aura detection system consists of the photomultiplier (FEU-79 - Russian), high voltage (2kV) supply, microcomputer – ATMEGA-8, pre-amplifier, luminophore activator – it used white LED with solenoid control and a chamber for luminophore screen and test samples – objects whose aura will be tested and all these components assembled in the metal box. Instead of separate luminophore screen it can be used test sample (or photo address object) coated with luminophore. This system detects aura by counting photons of the light emission from the luminophore screen, which is "bombarded" by the test sample's spin field (or influences by its aura). Should note that luminophore screen plays role as "translator" (or in other words as a scintillator), which "translates" of the test object spin field emission into the visible light necessary to count by the photomultiplier! Sampling rate of the measurement is 1 second. Luminophore screen activation time is about 0.5sec. Each result is processed by the local microcomputer (ATMEGA-8) and then results are sent to the big computer for further math processing.

Aura Detecting System (pic3 - below) can work in two modes – active mode and passive mode.

In active mode, luminophore screen is periodically activated with the LED's light and then activated luminophore emits light which brightness depends in accordance to the influence of the test sample's aura or its strength changes.

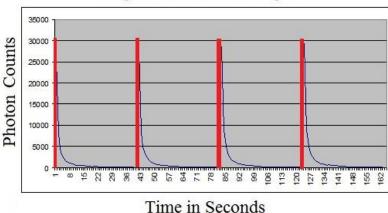
This mode is non-linear as can be see on pic.4 and pic5 and pic6

# Luminescence Aura Detection System



Activation stage: Mirror rotates to position 2 and LED sends light to luminophore - Blue lines. Green lines are "signal" light modulated by Test Sample when mirror is closed to position 1.

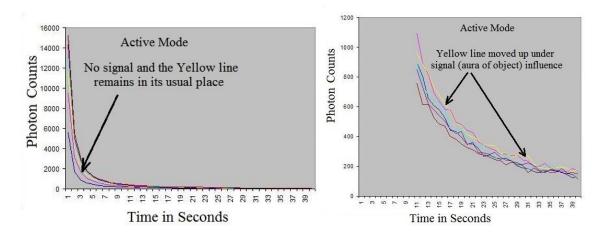
## Example of a measurement sequence



Red Lines is luminophore activation time by LED
Blue lines are light emission of the activated luminophore

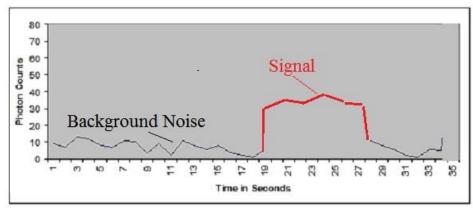
pic4

Example of non-linear measurements pic5 and pic6:



On pic5 and pic6, all 6 consecutive measurements are combined into the one graph for convenience of the observation of the difference between the background noise and the actual signal.

Passive mode is used when test sample can emit its own light and whole measured photon counts are almost aligned horizontally as seen on pic.7 In this mode activation LED is not used.



pic7.

### Conclusion

According to the first results of the object's aura detecting, the aura detecting system proposed by the authors can be used in various fields of activity – in medicine, biology, new type of telecommunication etc. The authors continue to improve their system.

### **REFERENCES**

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