Contribution ID: 171 Type: Poster

SMART PHONE USE IN A PHYSICS PROJECT ON MAGNETIC FIELD MEASUREMENTS

Thursday 10 July 2025 19:40 (20 minutes)

This paper presents a detailed teaching and experimental project on magnetism designed for high school students. The project aims to help students to measure magnetic fields using the "Phyphox" smartphone application and explore how magnetic field strength depends on various physical quantities such as distance, electric current, number of coil turns, and especially the size of the electromagnet core.

Primary author: DOLI, Rilinda (Albanian)

Co-authors: Mrs HAXHIU, Elsida (Siri Shapllo-High School); Dr DHOQINA, Polikron (University of Tirana)

Presenter: DOLI, Rilinda (Albanian)

Session Classification: Poster Session 4

Track Classification: S09 - Physics Education, History and Philosophy of Physics