

# LXXII International conference "Nucleus-2022: Fundamental problems and applications"

Contribution ID: 36

Type: **Oral talk (15 min + 5 min questions)**

## CALIBRATION OF RADIOISOTOPE DEVICES

*Tuesday, 12 July 2022 12:10 (25 minutes)*

In paper considered development method calibration radioisotope densitometer and radioisotope level gauges in laboratory conditions. The tightness of Cs-137 closed radiation ionization sources was made by the immersion method. The radioisotope densitometers (Endress+Hauser AG, Switzerland) was calibrated using a special technique with using metal calibration container with liquid imitators based on a mixture of bromoform and ethyl alcohol having different densities. The radioisotope level gauge (Mesacon Messelektronik, GmbH Dresden) on a special stand using a mixture of bromoform and ethanol was calibrated.

### The speaker is a student or young scientist

No

### Section

1. Applications of nuclear methods in science and technology

**Primary author:** ASHRAPOV, Ulugbek (senior scientific researcher)

**Presenter:** ASHRAPOV, Ulugbek (senior scientific researcher)

**Session Classification:** Applications of nuclear methods in science and technology