

## Methodology For Monitoring the Correctness Of the Transmission Of Data Received From the Devices Of the CTBTO On-site Inspectors



A. Mukhortova, V. Afonin National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

P3.3-764

- Our poster is about **ensuring integrity of information** transmitted from inspectors' tablets to a server in the receiving area the process that happens after inspectors have collected all the relevant data
- We are going to tell you why data integrity is important for the OSI teams and what tools
   exist for ensuring that data was not tampered with during the transmission to the receiving area
- We have compared MACs (Message Authentication Codes) and Digital Signatures as means
  of ensuring information integrity both in terms of features/properties they provide and their
  performance
- Our main recommendation to the OSI teams: we recommend using MAC if non-repudiation is not required and Digital Signatures otherwise
- If you want to find out more, please come over for a chat in front of our poster!

