

Radiation from Relativistic Electrons in Periodic Structures "RREPS-23" & Electron, Positron, Neutron and X-ray Scattering under External Influences "Meghri-23"



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## **FLAP Collaboration: Fundamental and applied Linear Accelerator Physics Collaboration**

*Monday 18 September 2023 11:00 (20 minutes)*

In 2020 a new international collaboration –FLAP has been established. In this report we present the scope of research of a new collaboration devoted to the study of the basics of electromagnetic interactions, particle generation, and new applications of controllable generation of electromagnetic radiation by relativistic electrons using functional materials. The collaboration was initially gathered around a new accelerator facility in Joint Institute for Nuclear Research in Dubna called Linac200. However, the scope goes beyond the use of a single facility but merges the efforts, experience, expertise, and infrastructures of institutional groups driven by common research interests.

**Primary author:** KARATAEV, Pavel (University of London (GB))

**Presenter:** KARATAEV, Pavel (University of London (GB))

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