Contribution ID: **72** Type: **Oral**

PARIS: status and the latest results

This contribution reports of the status of construction and the latest experimental results obtained with use of the novel scintillator based calorimeter named PARIS [1]. Thanks to use of LaBr₃-NaI and CeBr₃-NaI phoswiches, it is characterized by good energy and timing resolution and efficiency, especially for high energy gamma-rays. Due to this properties it can be used to measure gamma-rays coming from decay of Giant Resonances and discrete gamma transitions with moderate energy resolution. Moreover, the granularity of PARIS make possibility to use it as multiplicity filter.

First experimental results obtained with use of PARIS detectors in IPN Orsay, GANIL and IFJ Krakow will be presented. Status of the building of the PARIS array and its current data readout in analogue and digital way will be discussed. Also the perspectives for construction of PARIS and its use in different facilities will be presented.

[1] Maj A. et al., (2009). The Paris project. Acta Physica Polonica B, 40(3), 565-575.

Primary author: Dr CIEMAŁA, Michał (IFJ PAN Kraków, Polska)

Presenter: Dr CIEMAŁA, Michał (IFJ PAN Kraków, Polska)

Track Classification: Invited Talk