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Gamma ray spectroscopy studies in Bucharest

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A recent commissioned array that combines the excellent energy resolution of 8 HPGe detectors with the timing properties of 8 LaBr(3) scintillators was used in gamma-ray spectroscopy studies at the Bucharest FN tandem. The array's flexibility makes it suitable for lifetime measurements by In-Beam Fast Timing, Doppler Shift Attenuation Method and, in combination with a plunger device by Recoil Distance Method. Recent results will be presented for each of the methods mentioned.

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