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## Status of the R&D for the NUMEN experiment

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The objective of the research and development activities, regarding the upgrade of the focal plane detector (FPD) and the  $\gamma$  wall detectors of NUMEN, is the construction of new detectors capable to fulfil the requirements of high event rate, radiation tolerance and data acquisition and transmission bandwidth deriving from the upgrade of the superconducting cyclotron at Laboratori Nazionali del Sud (LNS). The design of the front-end and read-out electronics has been conducted in parallel with that of the new tracker. This new detector together with preliminary results of the test on the prototypes are presented together with the final design of the FPD.

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