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MPW2 testing in the RBI microbeam

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We would present a very recent experiment about the working of the MPW2 monolithic detector chip prototype under proton and ion microbeams at the RBI Pelletron facility. We plan to test the integrity of the memory cells using a proton beam for aiming to the target by looking the Particle X ray emission (PIXE) and then shooting ions in mili broadbeam (around 1 mm2), and microbeam (around 1 um2) in focused and scanning modes. We expect to evaluate the single event sensitivity of the memory cells block.

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