

Innovative beam monitoring approaches for NEPOMUC.

The second largest cause of measurement time loss at NEPOMUC is the time spent to optimize the positron beam to the specification required by the user; the speed of this optimization process is primarily determined by the available detection techniques. As modern positron spectroscopy requires beams of ever higher intensity and focus, it is paramount for our complex to develop and adopt faster and more precise diagnostics. I will present here two novel approaches to the detection of the position, shape and intensity of a low-energy positron beam developed by our team.

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