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New energy degraded beam project at RIBF – OEDO project

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We propose construction of an energy-degrading system consisting of a RF deflector with two STQ's after a mono-energetic degrader in the SHARQA beam line in the RIBF of RIKEN. The RF deflector acts as a focusing element for a secondary beam after a mono-energetic degrader, which provide a reasonably small beam size less than 2 cm (FWHM) even for energies less than 10 A MeV. Possible physics programs especially for combination with γ -ray detectors arrays are discussed.