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The PUMA experiment at CERN/ISOLDE

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The PUMA experiment aims to use antiprotons as a tool for exploring the properties of exotic nuclei by probing the distribution of the protons and the neutrons on the surface of the nucleus. To be able to do this, a mobile Penning-trap system must be designed and built which will allow to transport antiprotons from CERN's antiproton decelerator (AD) facility to the ISOLDE experimental hall. This contribution will detail the general concept of the PUMA experimental setup, it will present its mayor physics goals and detail the feasibility within the current experimental infrastructure at ISOLDE.

Session Classification: Poster Session