

## Development of a Head Scanner for Proton CT

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The UC Santa Cruz-Loma Linda U. pCT Collaboration is developing a new head scanner for proton CT, based on the experience of the existing prototype being used in the beam to optimize data reduction and reconstruction algorithms.

The system consists of s two silicon telescopes which track the proton before and after the phantom/patient, and an energy detector which measures the residual energy

We will show some of the data taken with the prototype scanner, and the describe the ongoing work on a scanner which will permit a 2 MHz proton rate.

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