

**Results of the Orsay Spot Size Monitor for the Final Focus Test Beam**, J. BUON, J. JEANJEAN, F. LE DIBERDER, V. LEPELTIER and P. PUZO\*, Laboratoire de l'Accélérateur Linéaire, IN2P3-CNRS et Université de Paris-Sud, F-91405 Orsay, France - A gas-ionization beam size monitor has been installed in the final spot region of the Final Focus Test Beam (FFTB) at SLAC. It has been used to adjust the longitudinal position of the focal point and to optimize spot sizes. The minimum spot sizes recorded are  $1.6 \pm 1 \mu\text{m}$  horizontally and  $70 \pm 25 \text{ nm}$  vertically. This monitor is also a very sensitive and useful detector of longitudinal beam tails, like banana tails, and has been used successfully to cancel them.

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