Preliminary Scanning Integration at Control LABORATORY J.J.Jamroz, P.J.Bell, J.Lidon-Simon, P.Sjoblom, D.P.Spruce, Lund, Sweden



Optical layout of the VERITAS beamline. The beam hight at the center of the undulator is 1300 mm, PGM has a 20 mm offset resulting in 1320 mm height at experiment

Noise over two weeks of sampling

PGM optics controlled by stepper motors operating in closed loop



Noise in PM mirror is reduced by a factor of five when the two valves controlling a water flow are closed



Veriats PM mirror inside PGM during a step scan of 10 up and

have the ability to hold a steady position for long measurements

down steps, with 10 seconds of sampling time in open loop





Predefined trajectory (position=f(time),V[m/s]=const) generate
the min-max gate signal which is fed to a beamline timing

Diffraction image





Time-based scan structure at Nanomax

