

EIC Beamline R & D Status

Detector Support Group January 11, 2023



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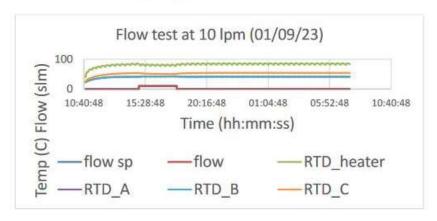
EIC

George Jacobs, Marc McMullen

Completed assembly of thermal test stand

EIC Beampipe thermal test stand diagram 3.5" O.D. / 3.06" I.D. 1/2" Plastic tube MKS GE250A 2.5" O.D. / 2.43 2.375" O.D. Threaded SS pipe ½" Plastic tube (x4) Manifold 3.5" O.D. / 3.06" I.D. 2.5" O.D. / 2.43" I.D. 1.9" O.D./ 1.61" O.D. mersion oil heater 120V/1100 W 3.67" O.D. / 3.55" I.D. Pipe stands (x5) 1/2" ntp to 1/2" tube push-lock

Tested flow at 10 LPM and plotted data



Continued flow tests at 20 LPM and 50 LPM

