

fit equation =  $m^*x + c$  collimated:  $m = -0.0533 \pm 0.00332$ ,  $c = 0.629 \pm 0.0336$ , chi squared per DoF = 0.9 uncollimated:  $m = -0.0356 \pm 0.00131$ ,  $c = 0.808 \pm 0.0172$ , chi squared per DoF = 0.706