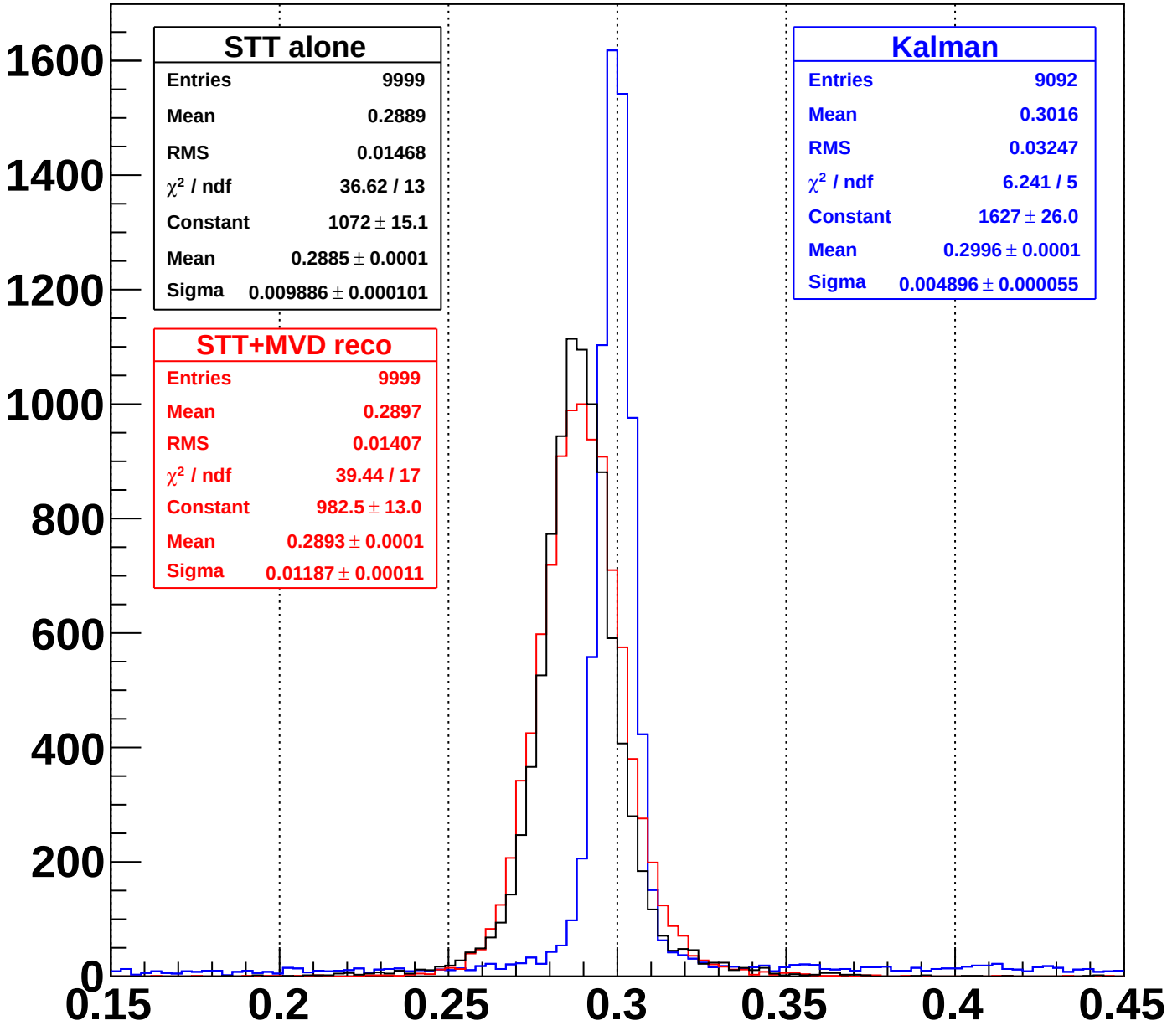momentum resolution after Kalman @ 40 deg