O (blue) & H (red) mix mix 60 min  $\delta$ =30  $\alpha$ =1e-2 histH beam count 9000 162825 **Entries** 9.148e-10 Mean 8000 4.626e-11 Std Dev 7000 6000 5000 4000 3000 2000 1000 0.3 0.5 0.6 0.7 8.0 0.9 0.4 lambda [m]