atm pdf hatm 50000 S **Entries** 609001 8.001 Mean x 45000 Mean y 5416 4.622 RMS x 40000 2021 U.16 RMS y 35000 0.14 30000 0.12 25000 0.1 20000 0.08 15000 0.06 10000 0.04 5000 0.02 0 r 0 8 12 16 18 10 14 20 S1