hep pdf hhep 50000 S **Entries** 6643 3.066 Mean x 45000 Mean y 1815 1.003 RMS x 40000 RMS y 651.1 1.2 35000 30000 25000 8.0 20000 0.6 15000 0.4 10000 0.2 5000 0 L 0 10 15 20 25 30 S1