hep pdf hhep 50000 S **Entries** 23913 3.275 Mean x 45000 Mean y 2558 RMS x 1.124 40000 RMS y 1068 1.8 35000 1.6 30000 1.4 25000 1.2 20000 8.0 15000 0.6 10000 0.4 5000 0.2 0, 0 2 8 12 16 18 20 10 14 S1