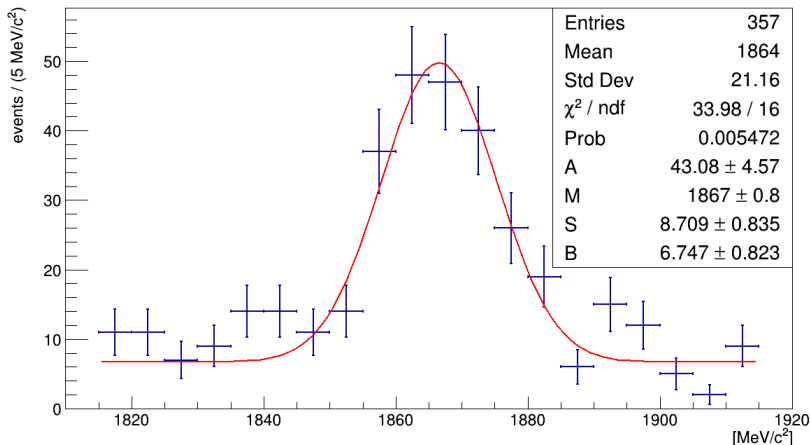


LHCb Masterclass 2022 - Perugia result of D^0 mass

D^0 mass: $K\pi$ invariant mass



Fit function and result

$$N(x) = Ae^{-\frac{(x-M)^2}{2S^2}} + B$$

$$M = (1866.5 \pm 0.8) \text{ MeV}/c^2$$