

More Acceptance Plots

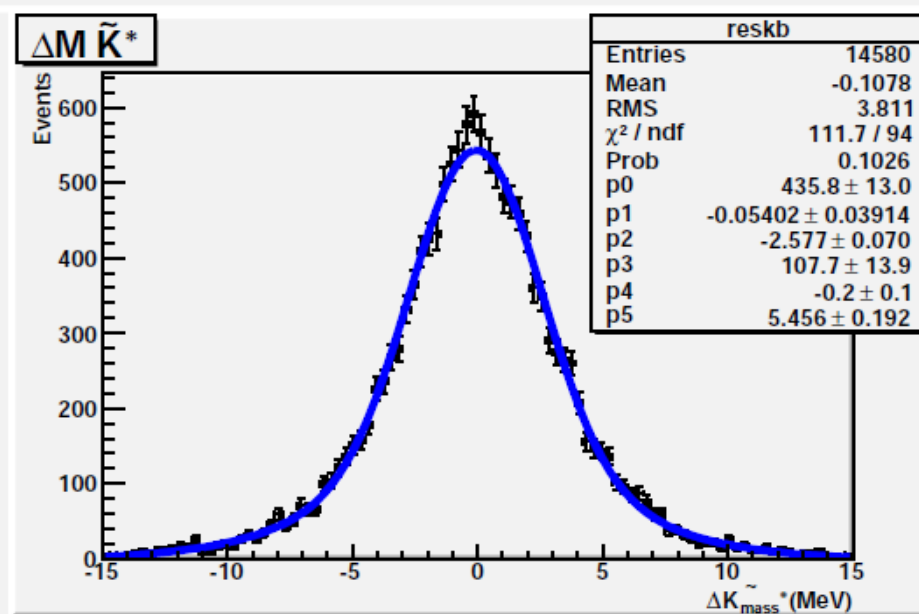
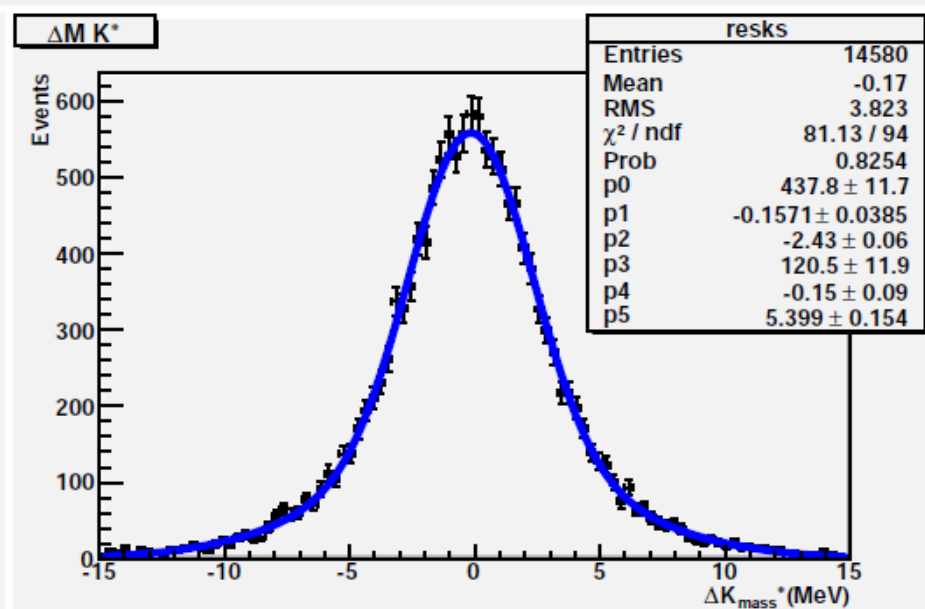
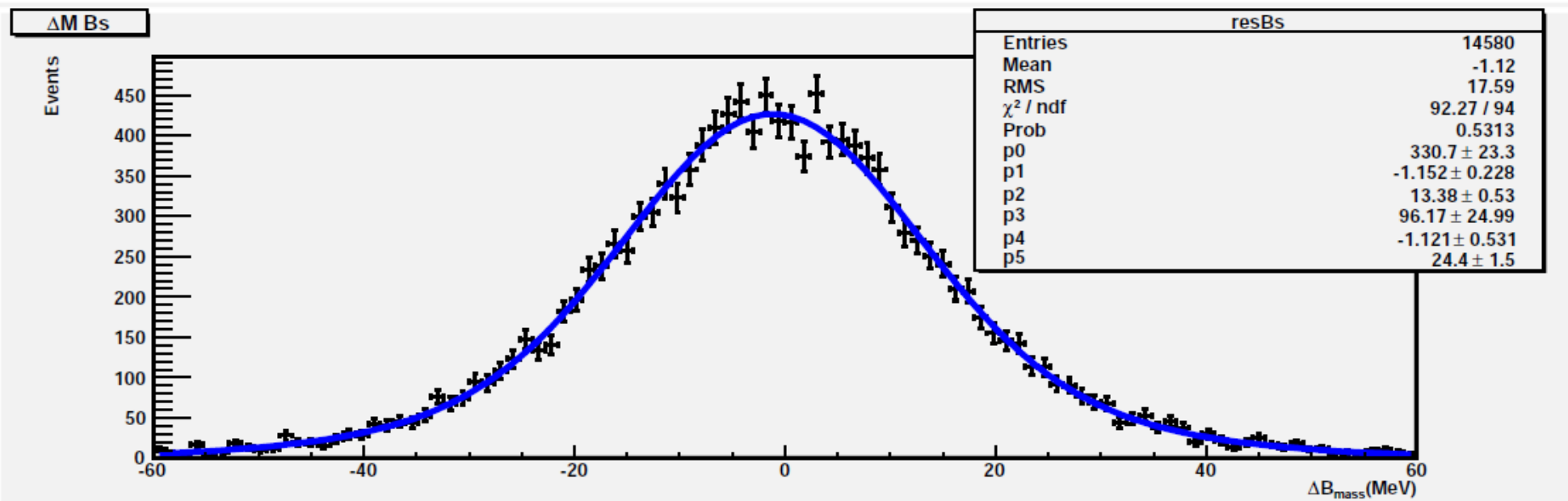
Celestino Rodríguez Cobo

Mass Resolution

- 14 K Signal selected events 306 k MC events
- Double gaussian structure

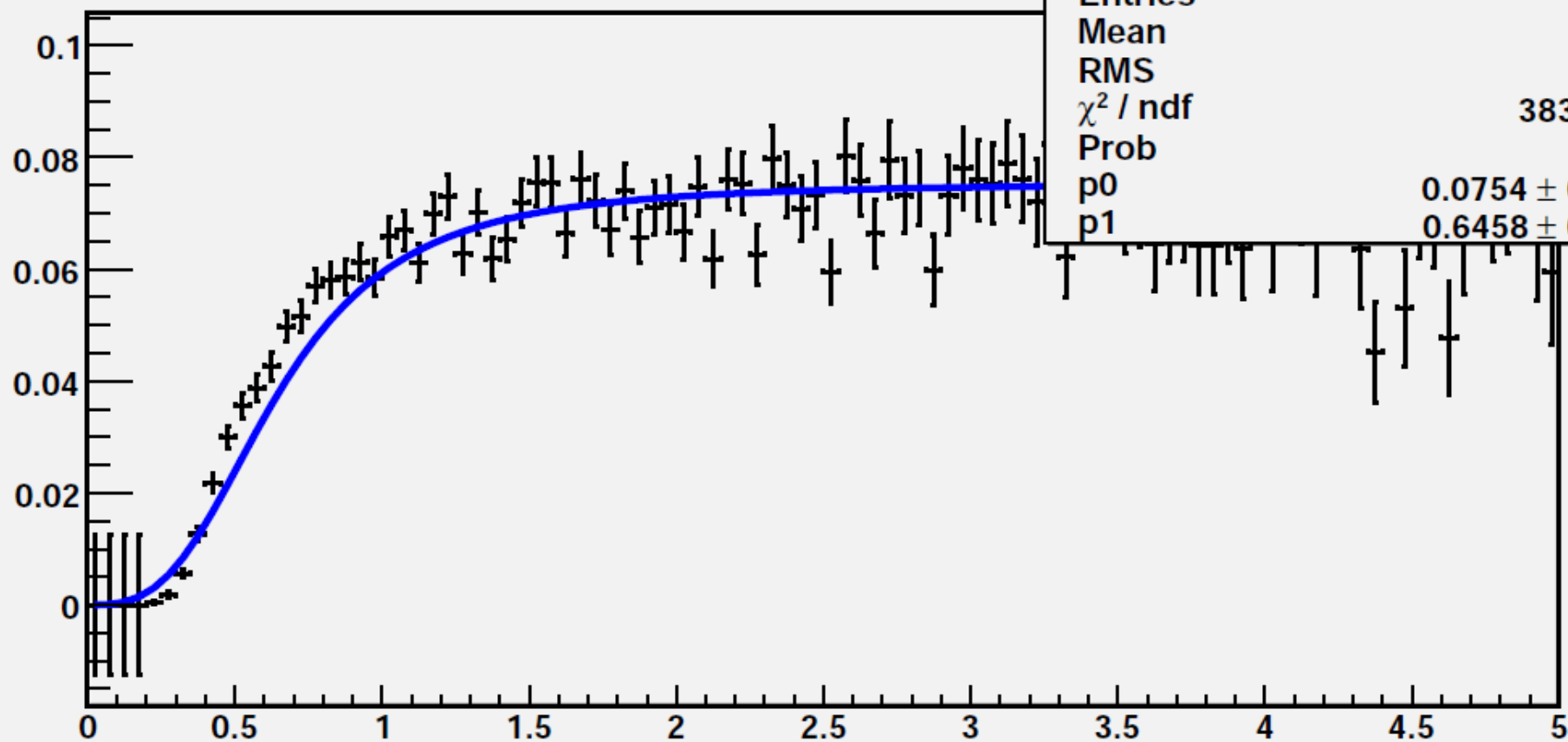
$$Res(mass) = p_0 * exp(-0.5 * (\frac{mass - p_1}{p_2})^2) + p_3 * exp(-0.5 * (\frac{mass - p_4}{p_5})^2)$$

- Fits on the resolution of K^* and B_s



Time acceptance

sel/gen



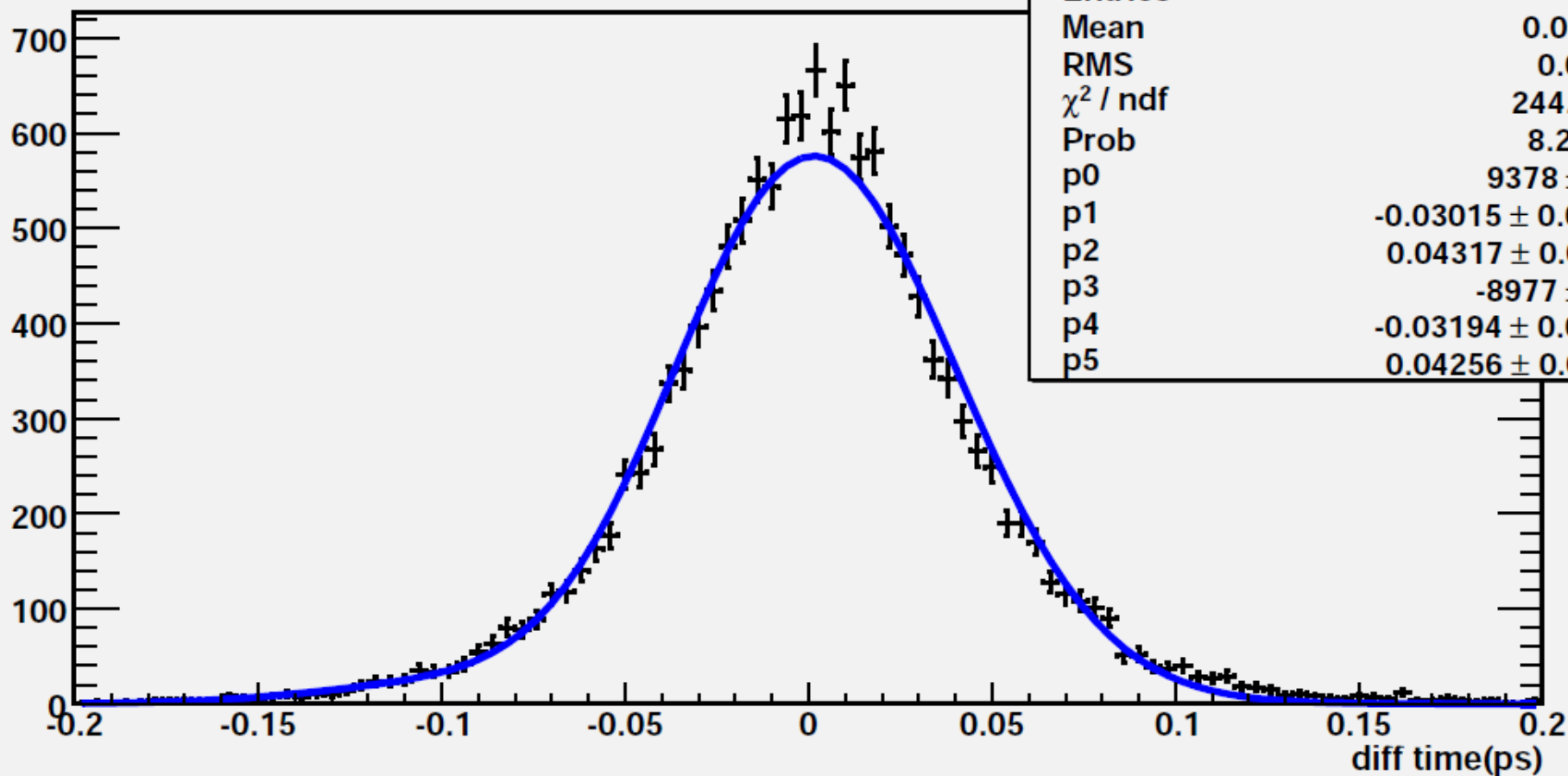
sel/gen

Entries	14580
Mean	2.791
RMS	1.274
χ^2 / ndf	383.3 / 98
Prob	0
p0	0.0754 ± 0.0007
p1	0.6458 ± 0.0073

Time resolution

reso

events



Time acceptance and resolution

- Odd Fits are still a issue with the error model
- Still working on it.
- Resolution model = Double gaussian not logical??
- Single gaussian is even worse.

More to Come

- Momentum resolutions and acceptances
- HLT and selection
- Include b-b study
- Comparison study (in progress)

sel/gen

