Comparation between Simbes1020A and Sober in Channel $J/\Psi \to \rho\pi$ with Data103

(memo)

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Abstract

Using Drunk Version-103, we compare the difference between Simbes1020A and Sober. In this memo, we show some distributions of those varibles concerned. Here is a note to all the digrams we get.

In every Fig., the left column is the comparation between Dat103 and Simbes1020A, Solid curves correspond data and the dash ones are for Simbes. The right column is the comparation between Dat103 and Sober. Here dash curves correspond Sober. Both of them is unitary to Data.

Fig.1-4 are common distributions such as U_{miss}, χ,$M(\pi^+\pi^-)$.
Fig.5-7 are distributions for netural tracks.
Fig.8-14 are for charged tracks.
Fig.15-18 are distributions of six elements of Error Marix which are concerned much.
Fig. 12 can give us the events number selected from DATA103, 20000 Simbes1020A, 20000 Sober samples respectively. The upper two row mean all the mfit distribution, and the lower two give the events number where mfit is -19.

Some nomenclatures:

pip is π^+, pin is π^- and pneu is π^0.
eng represents engery of γ, eng1 and eng2 correspond energy of γ_1 and γ_2 respectively.
In Fig8., That nup equals 1 means π^+ is discriminated as μ by μ counter. 0 means the contrary. nun corresponds π^-.
tofq means tof quality and tofbe means tof β.
If any other question exists, please feel free to contact me by email: chenj@mail.ihep.ac.cn.

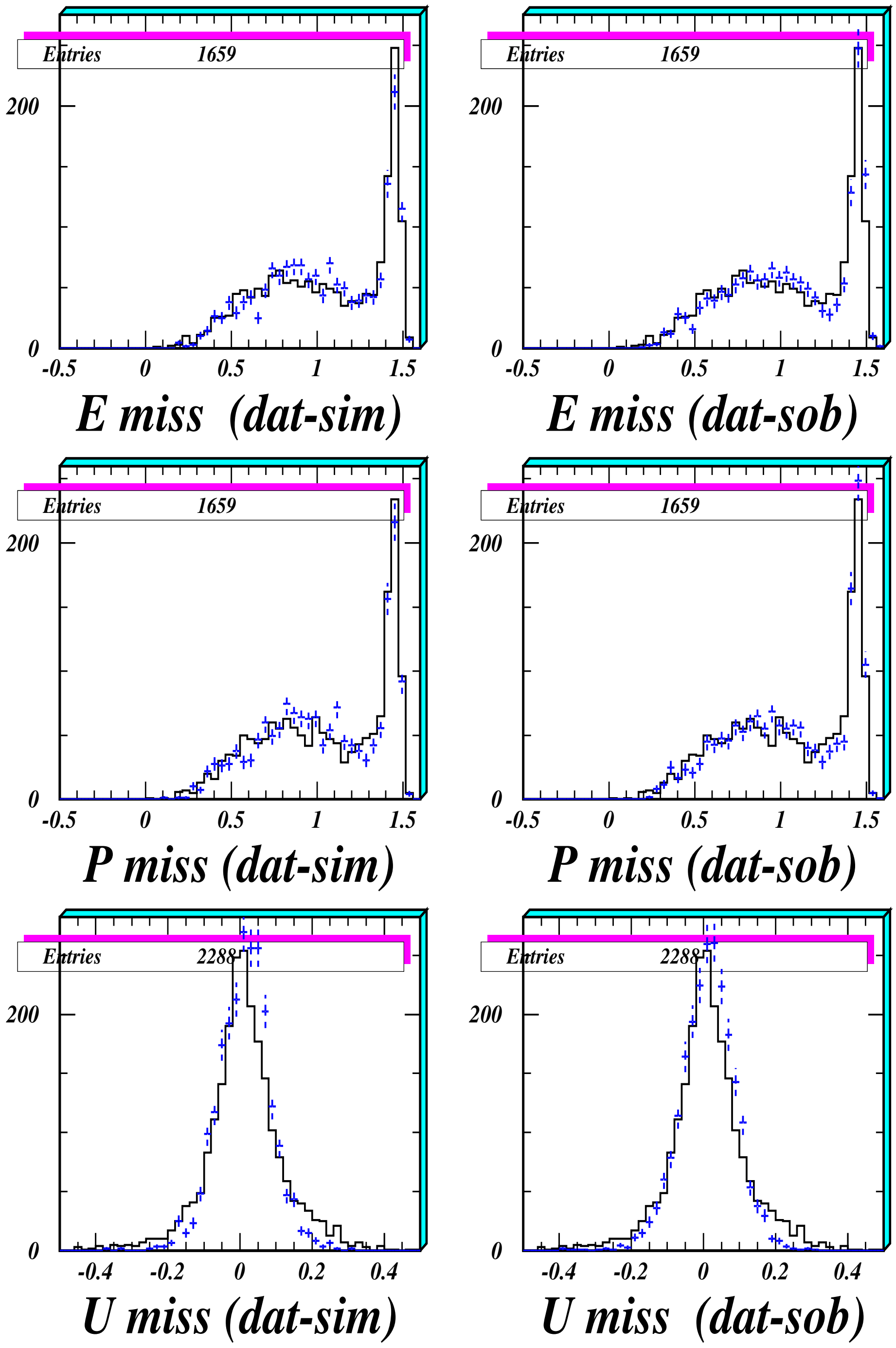

Figure 1: Comparation between Simbes1020A and Sober with Data103

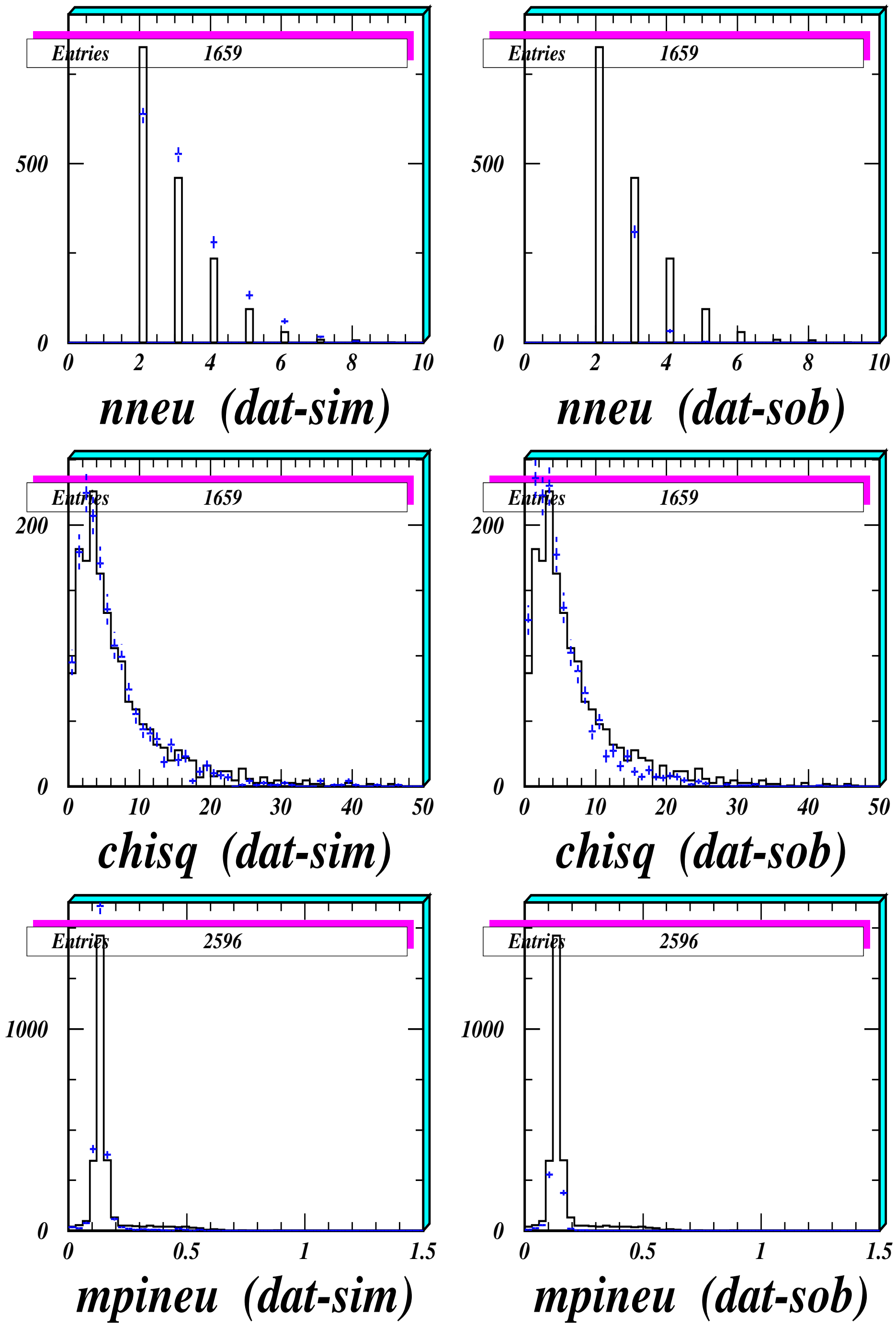

Figure 2: Comparation between Simbes1020A and Sober with Data103

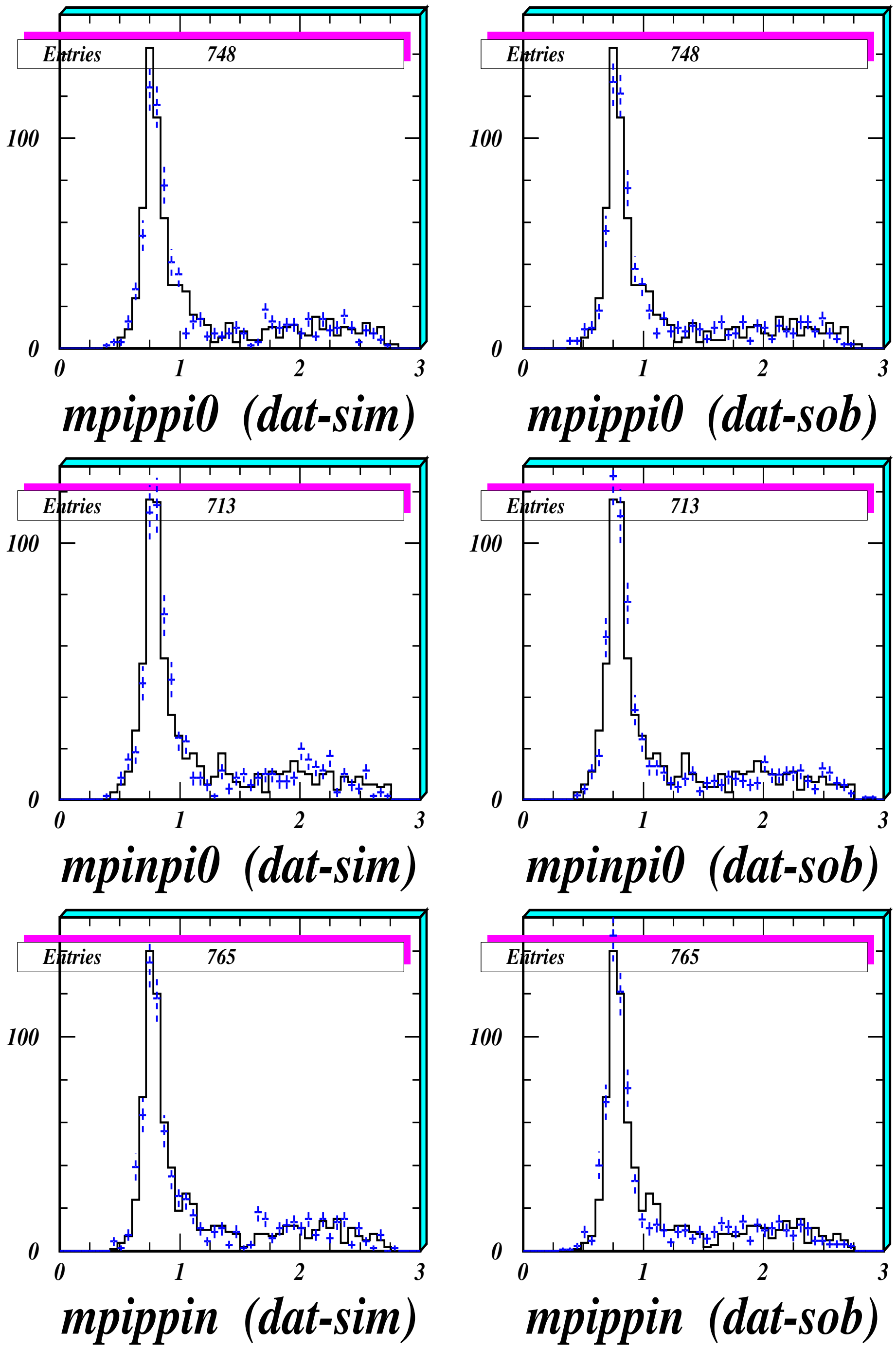

Figure 3: Comparation between Simbes1020A and Sober with Data103

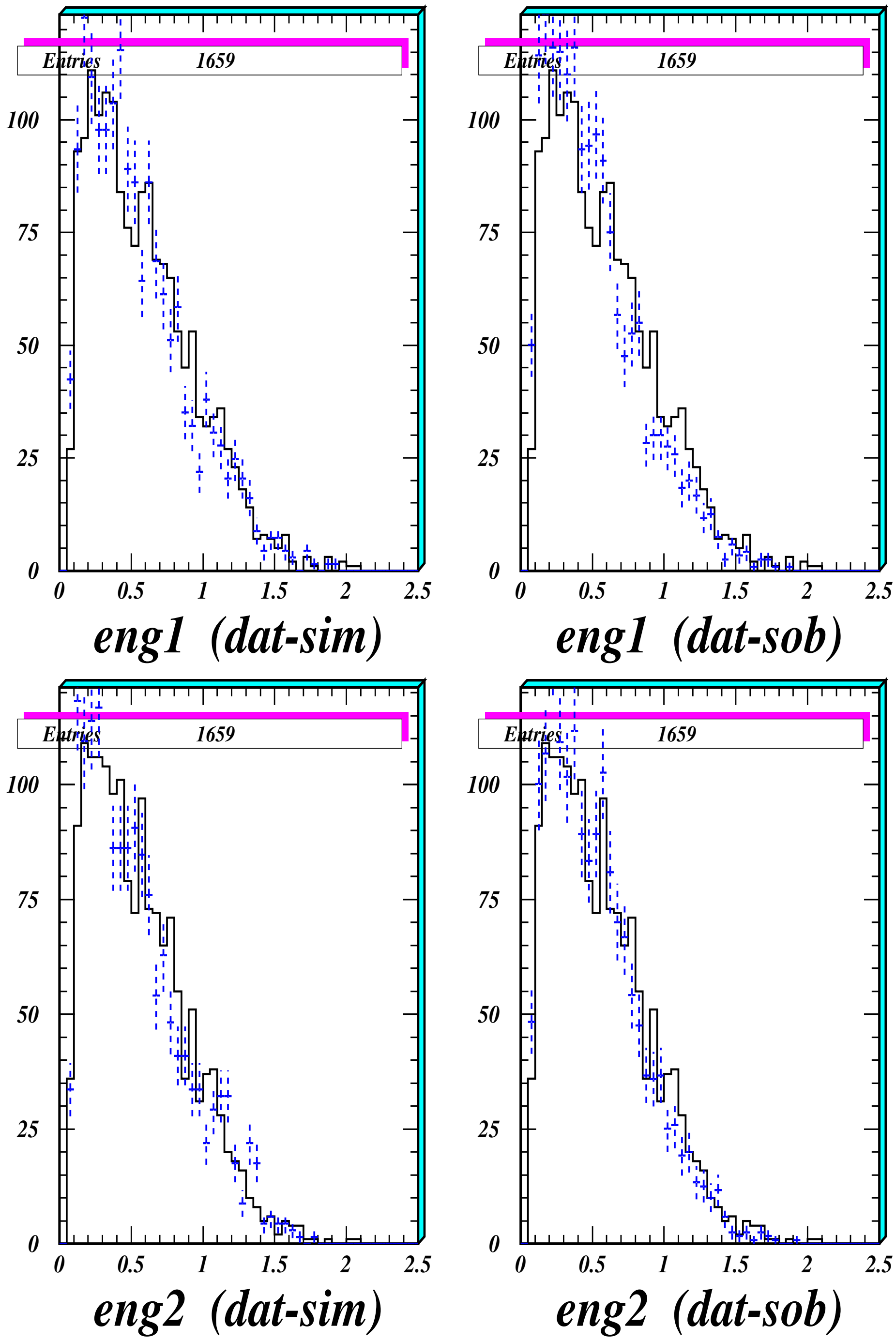

Figure 4: Comparation between Simbes1020A and Sober with Data103

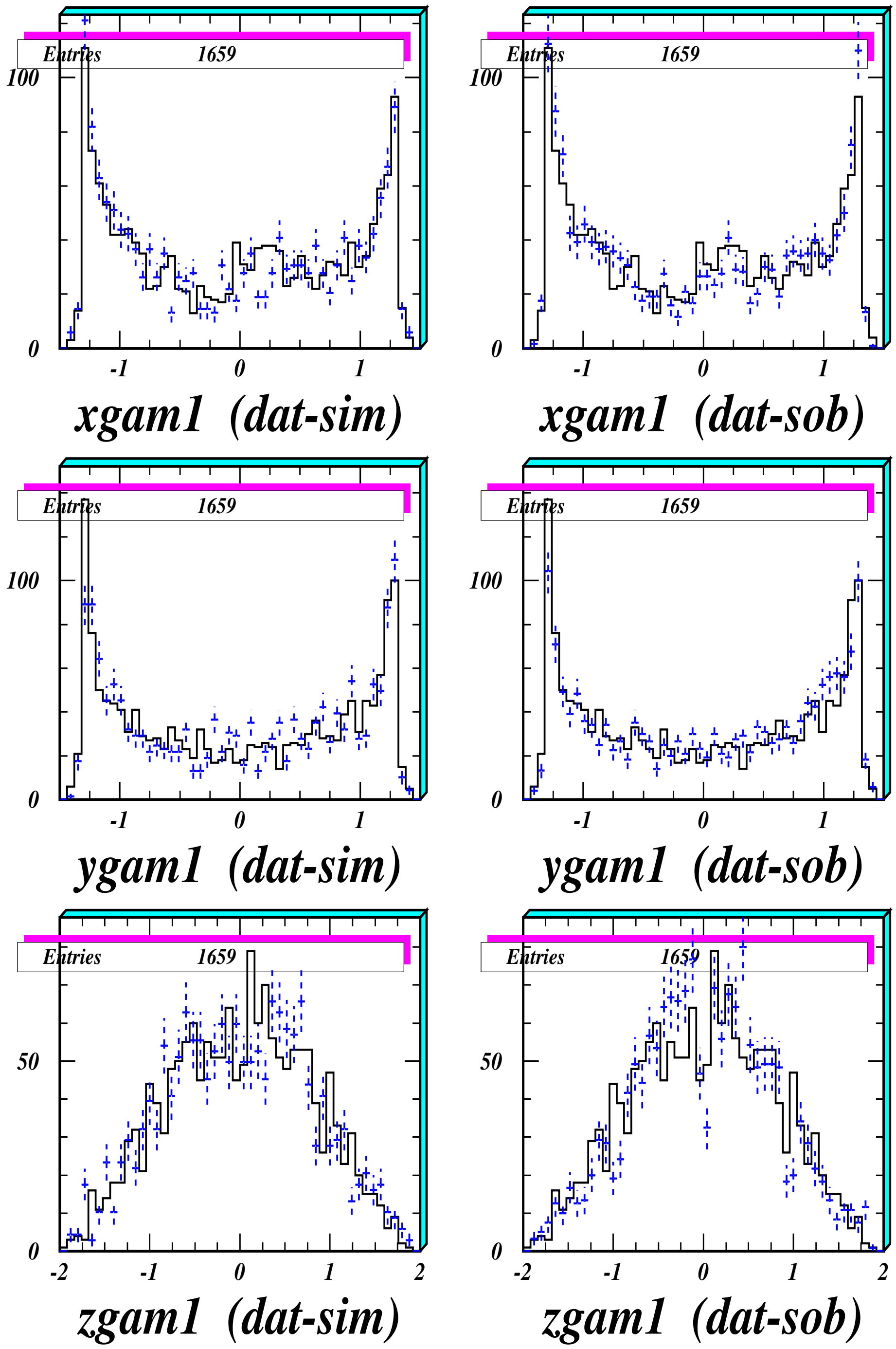

Figure 5: Comparation between Simbes1020A and Sober with Data103

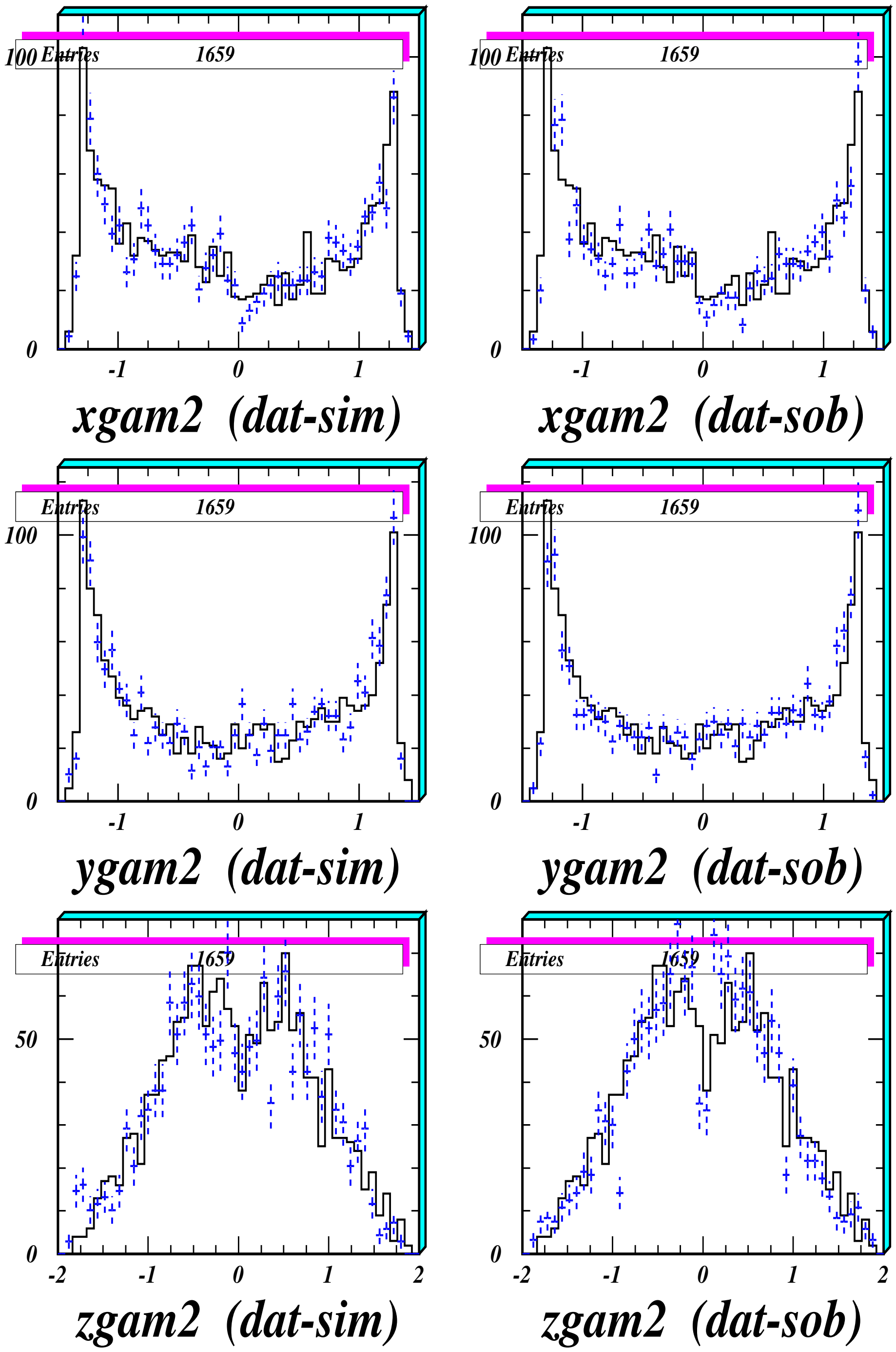

Figure 6: Comparation between Simbes1020A and Sober with Data103

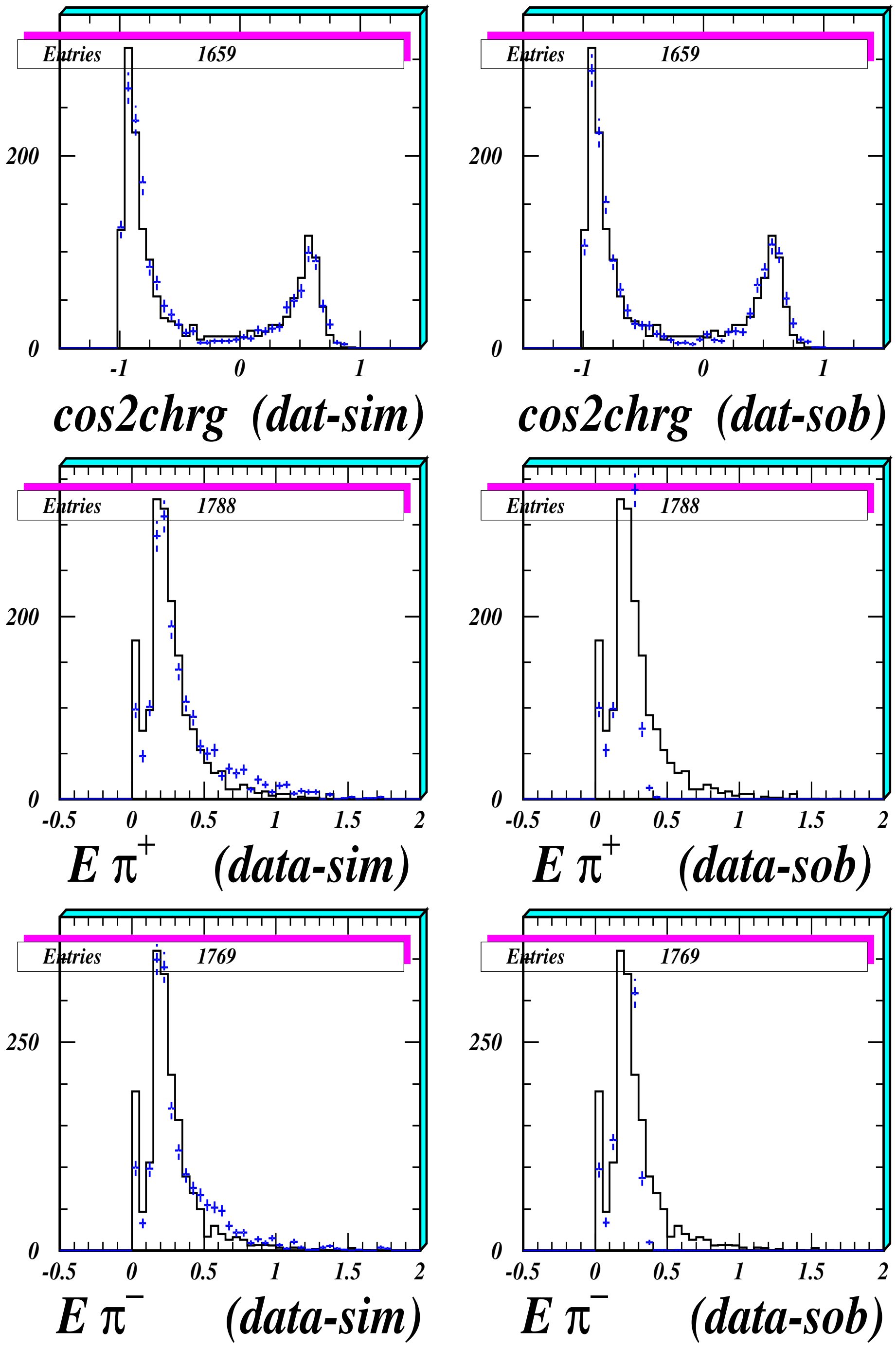

Figure 7: Comparation between Simbes1020A and Sober with Data103

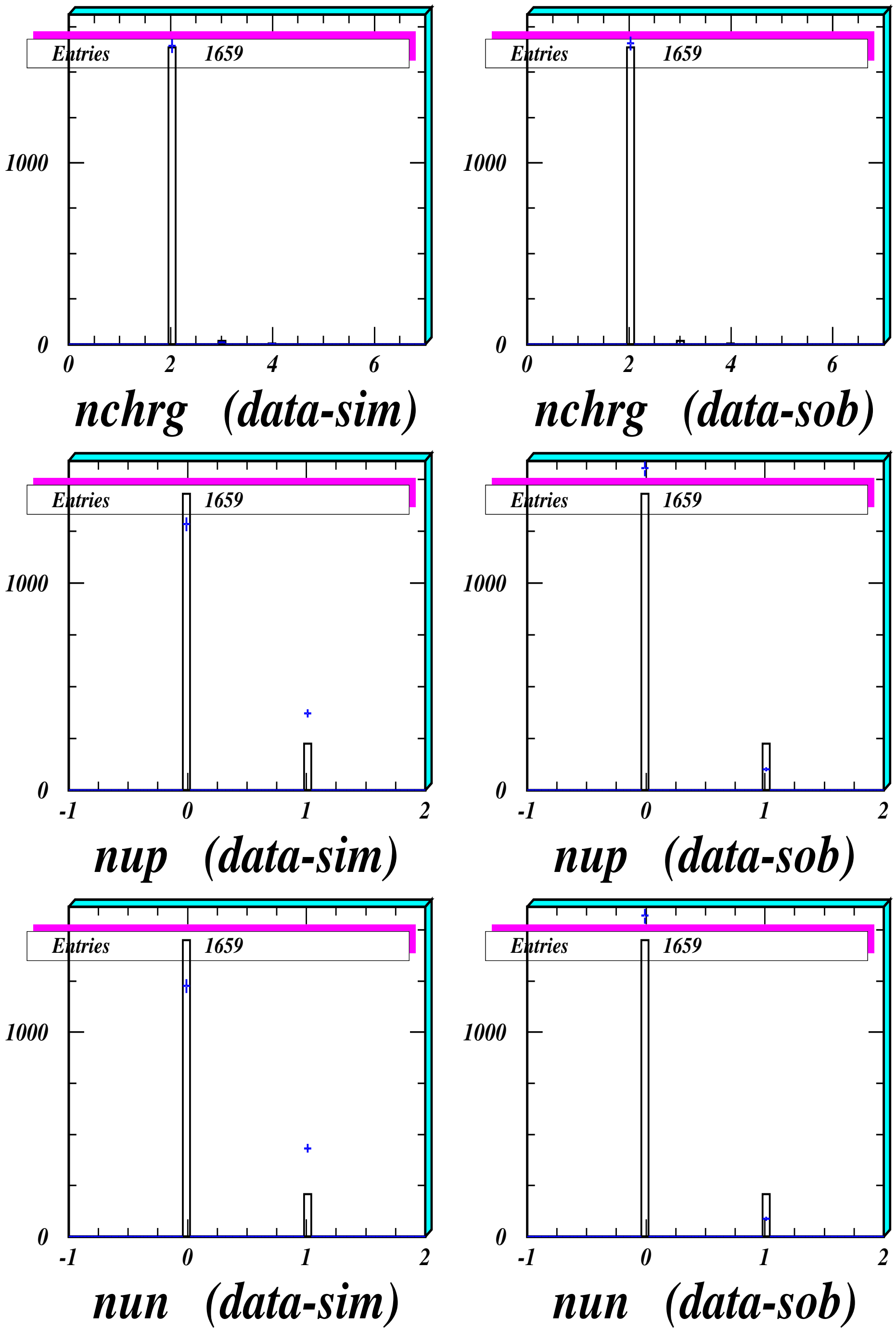

Figure 8: Comparation between Simbes1020A and Sober with Data103

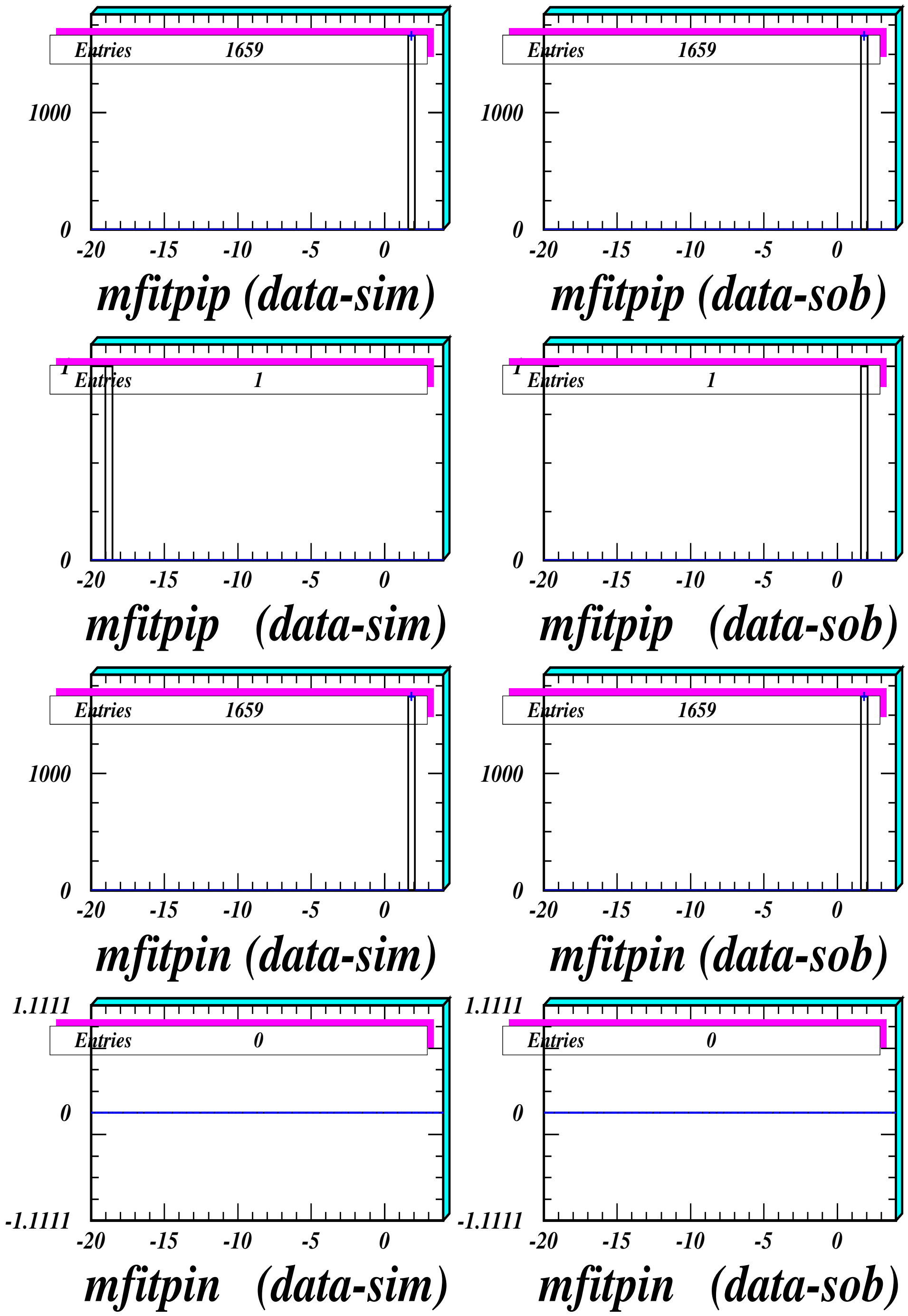

Figure 9: Comparation between Simbes1020A and Sober with Data103

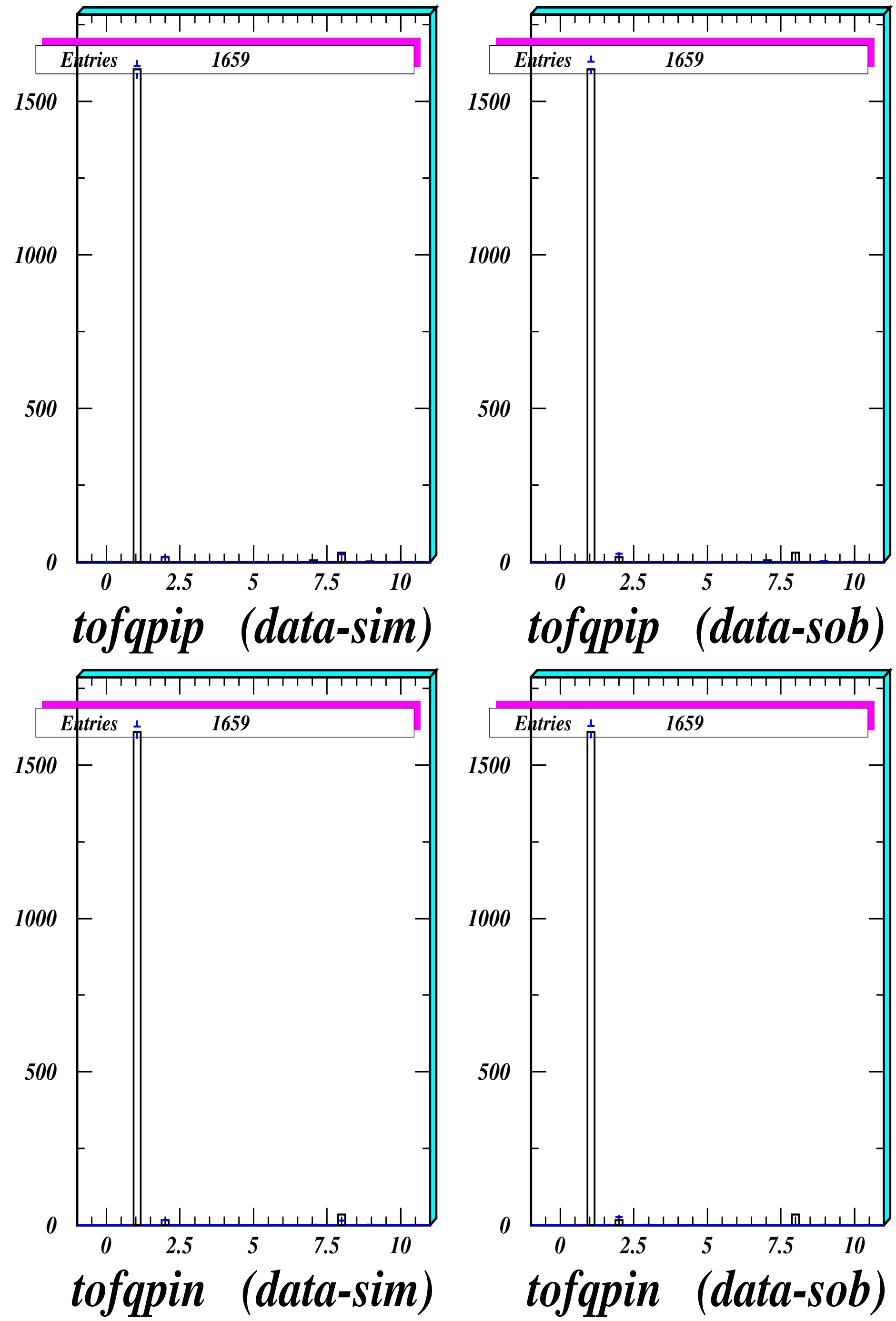

Figure 10: Comparation between Simbes1020A and Sober with Data103

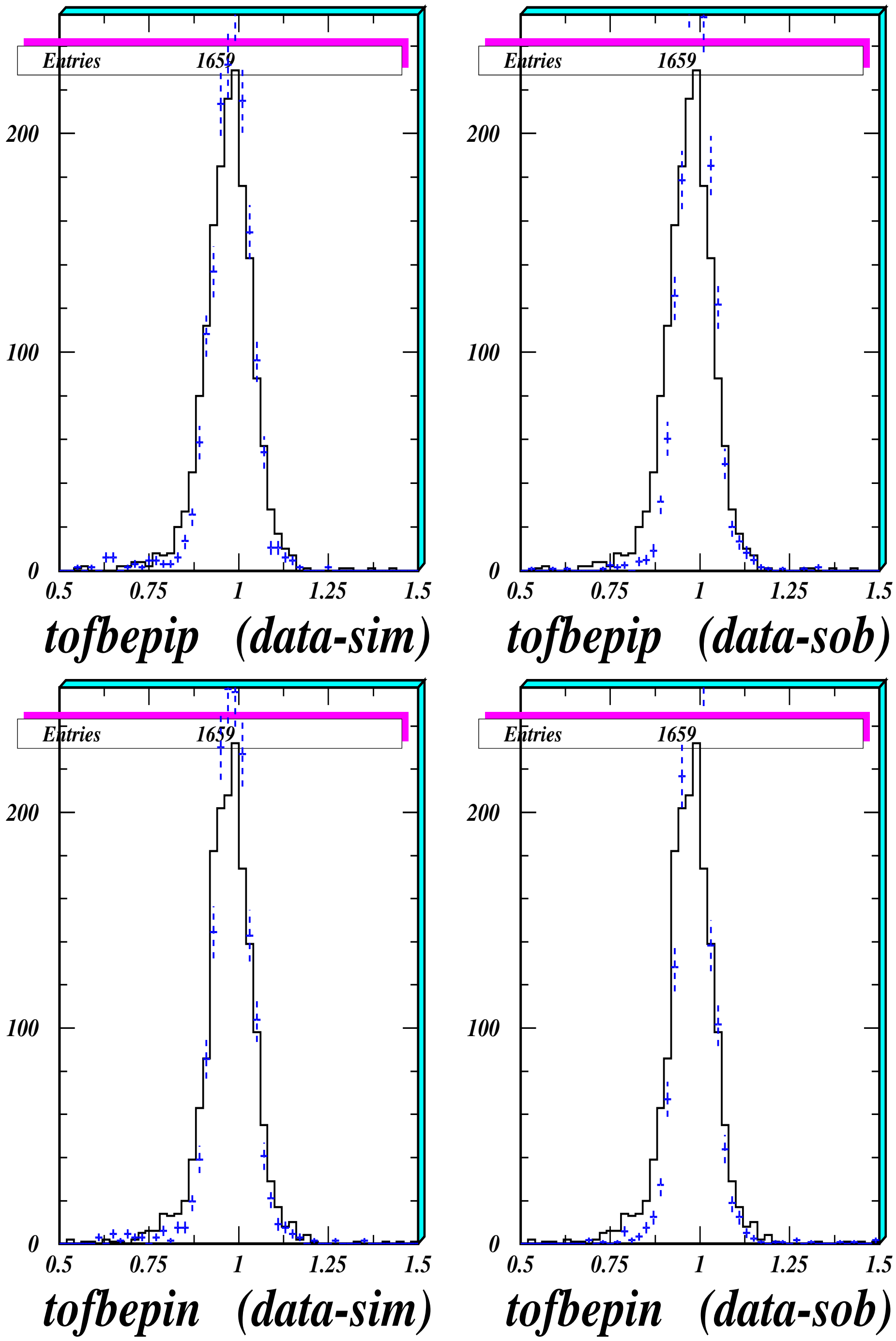

Figure 11: Comparation between Simbes1020A and Sober with Data103

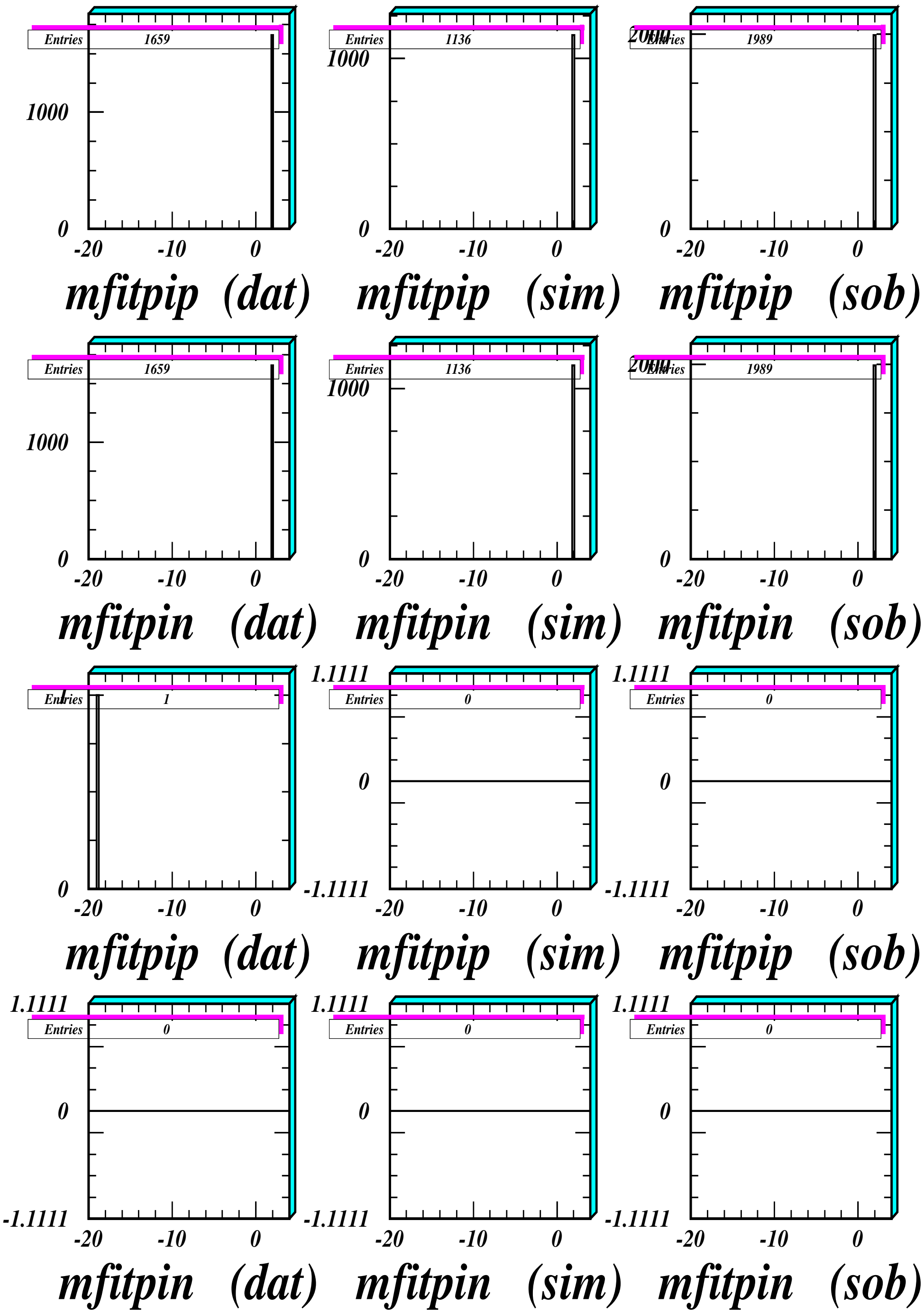

Figure 12: Comparation between Simbes1020A and Sober with Data103

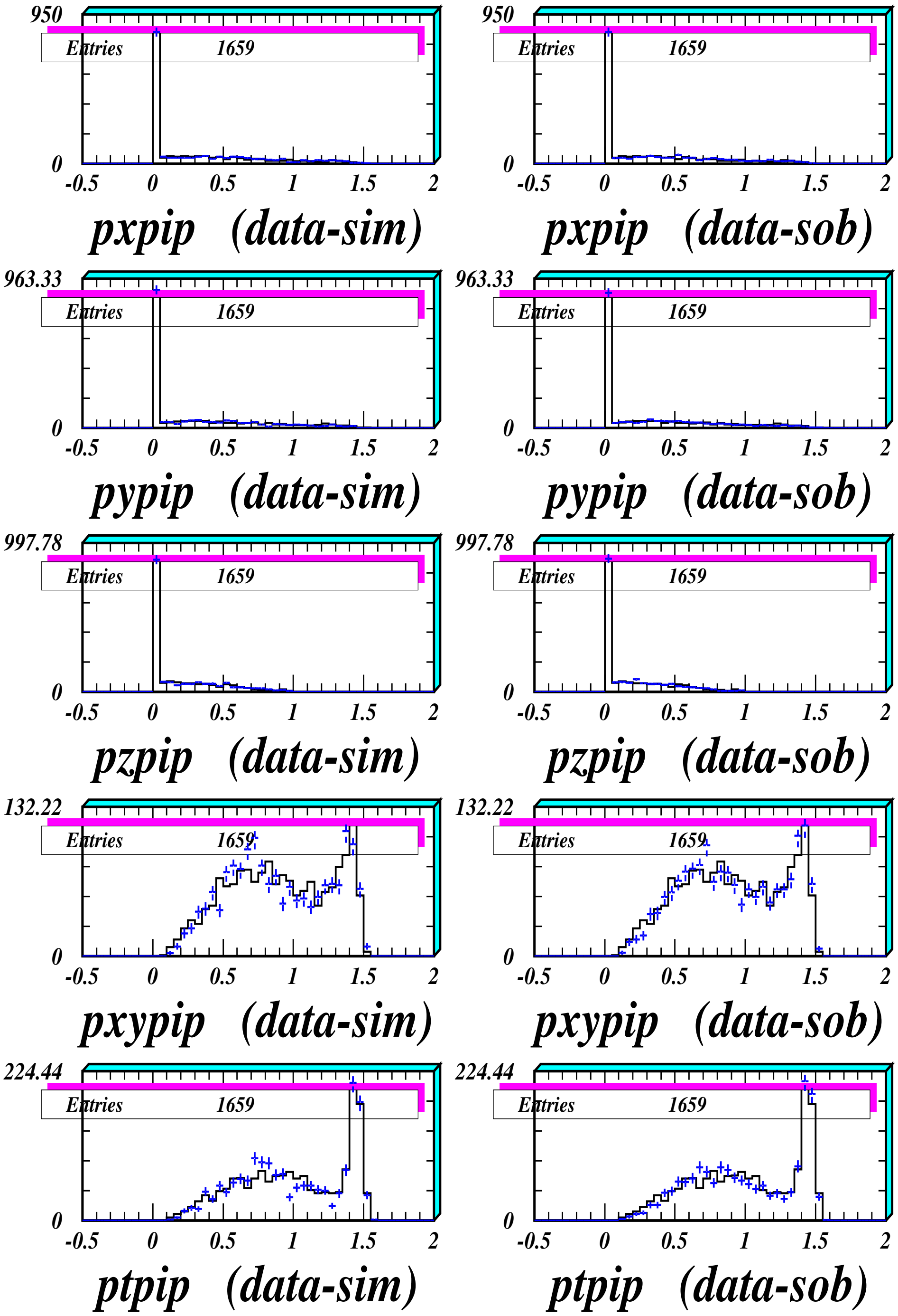

Figure 13: Comparation between Simbes1020A and Sober with Data103

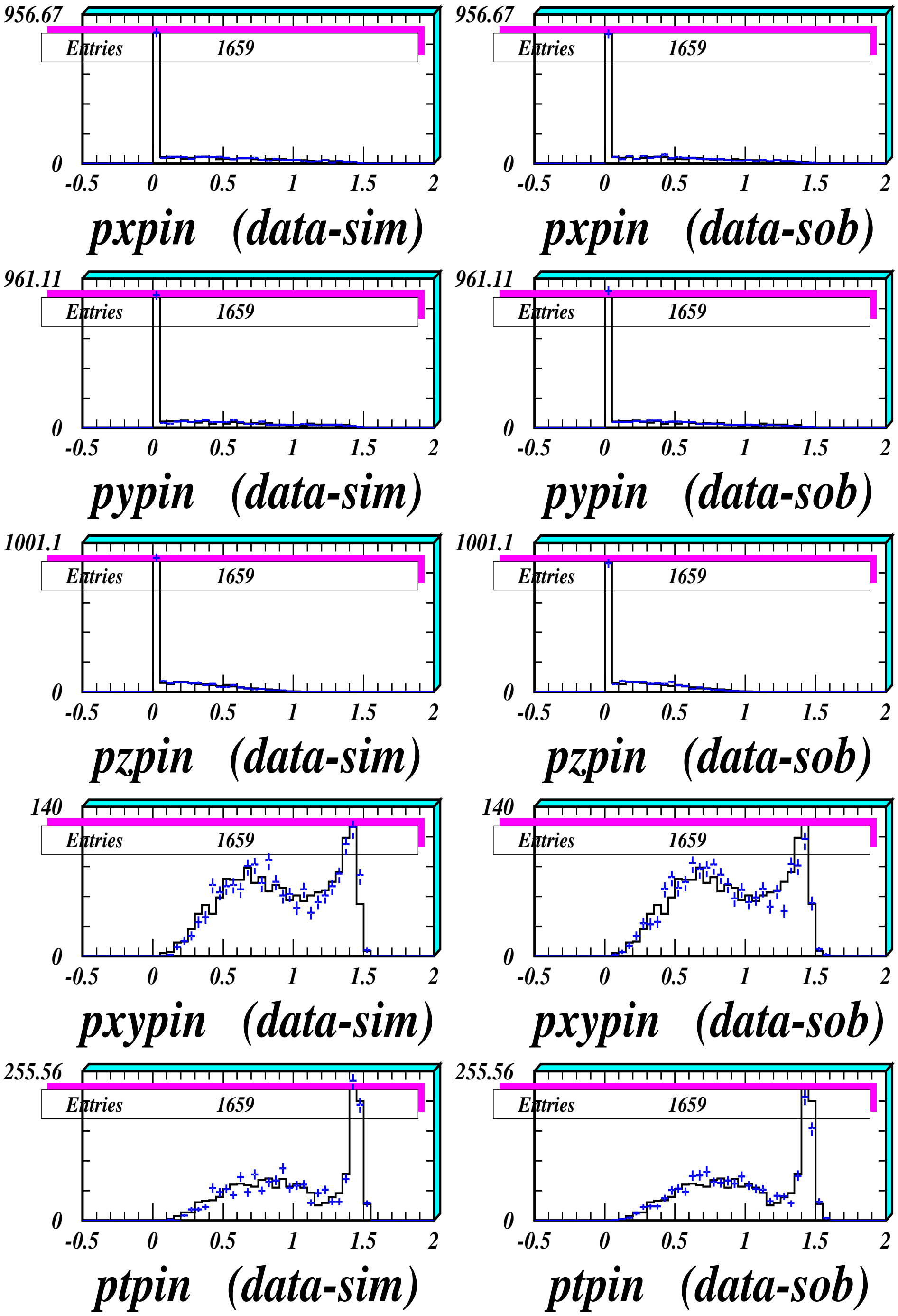

Figure 14: Comparation between Simbes1020A and Sober with Data103

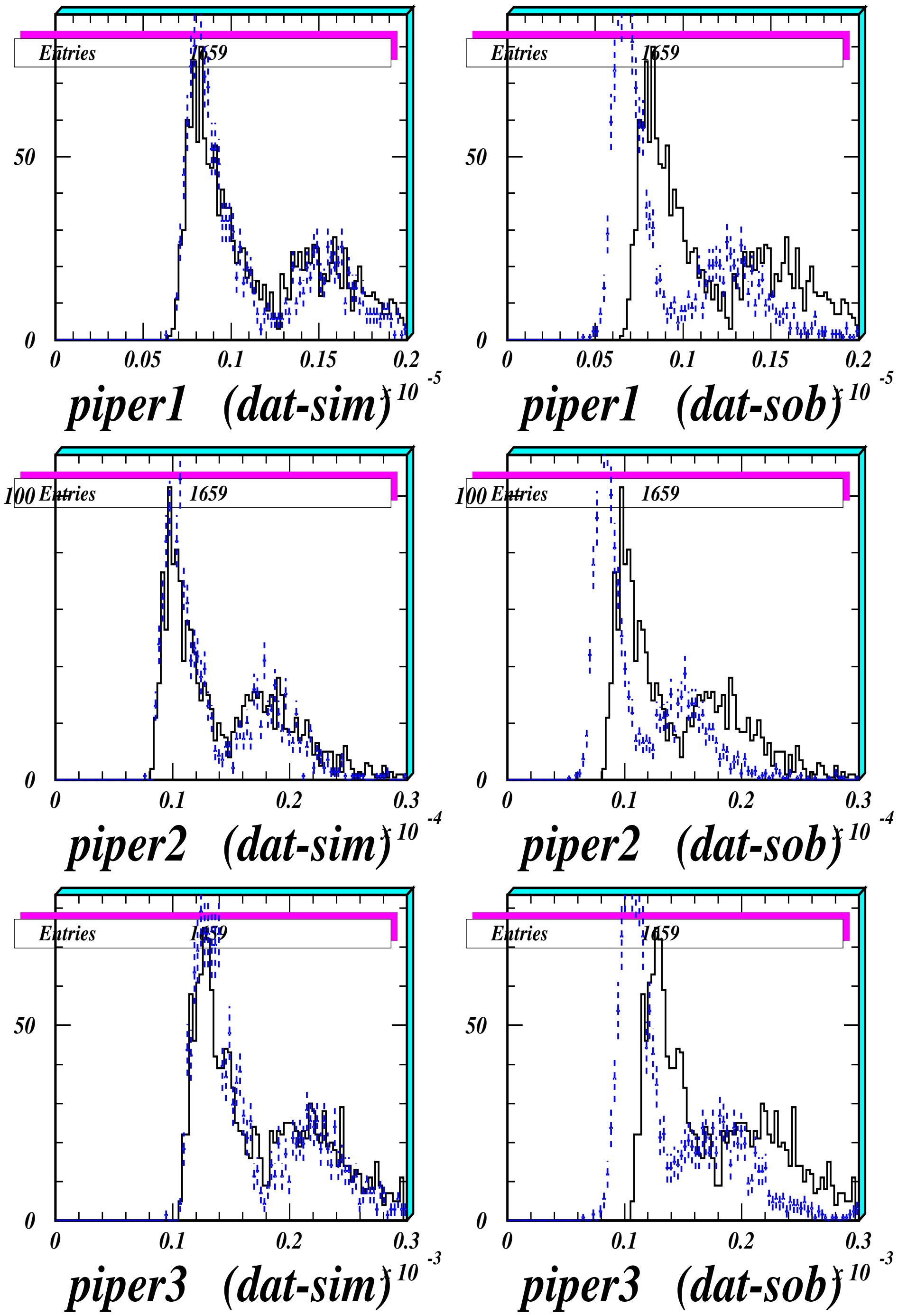

Figure 15: Comparation between Simbes1020A and Sober with Data103

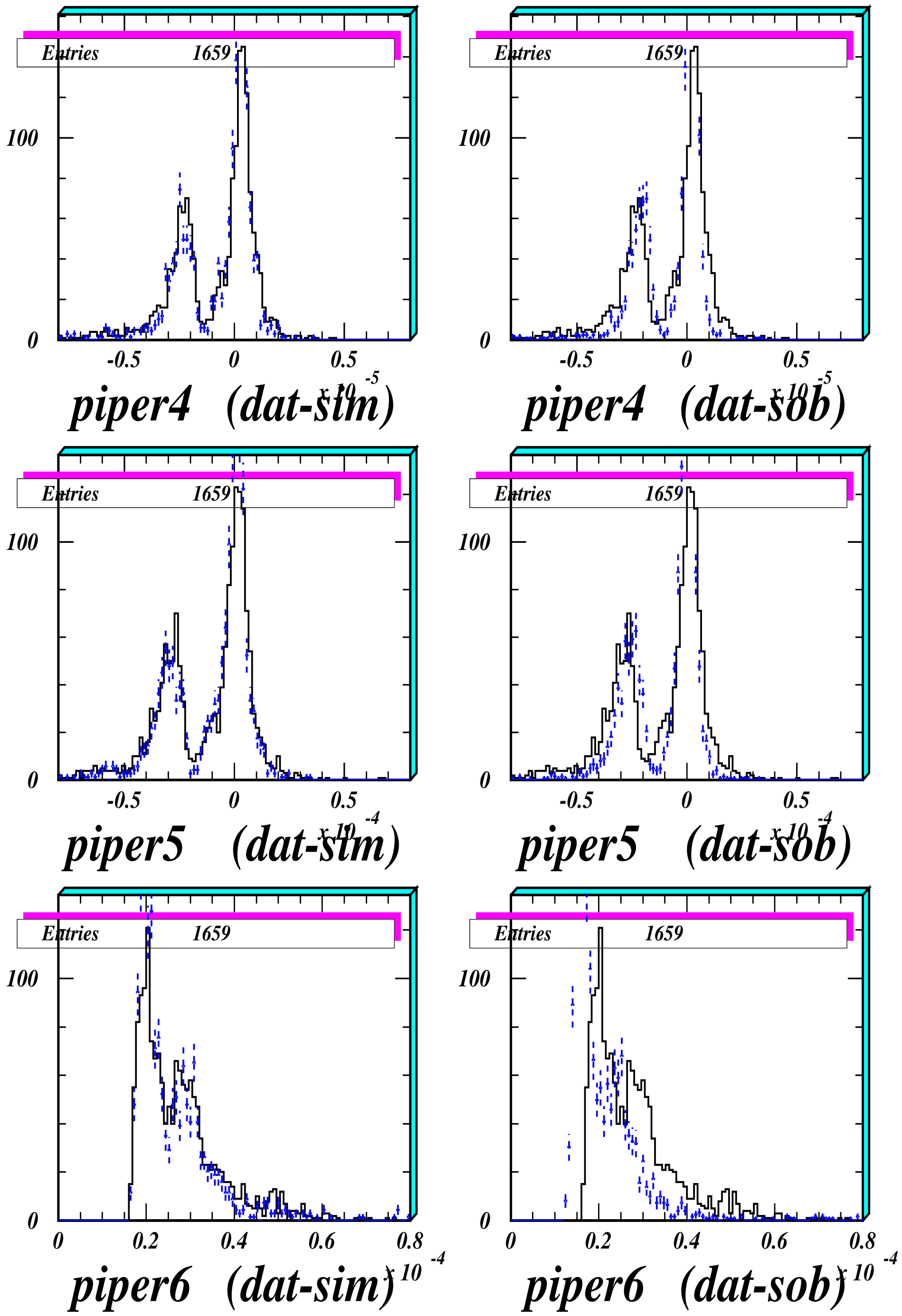

Figure 16: Comparation between Simbes1020A and Sober with Data103

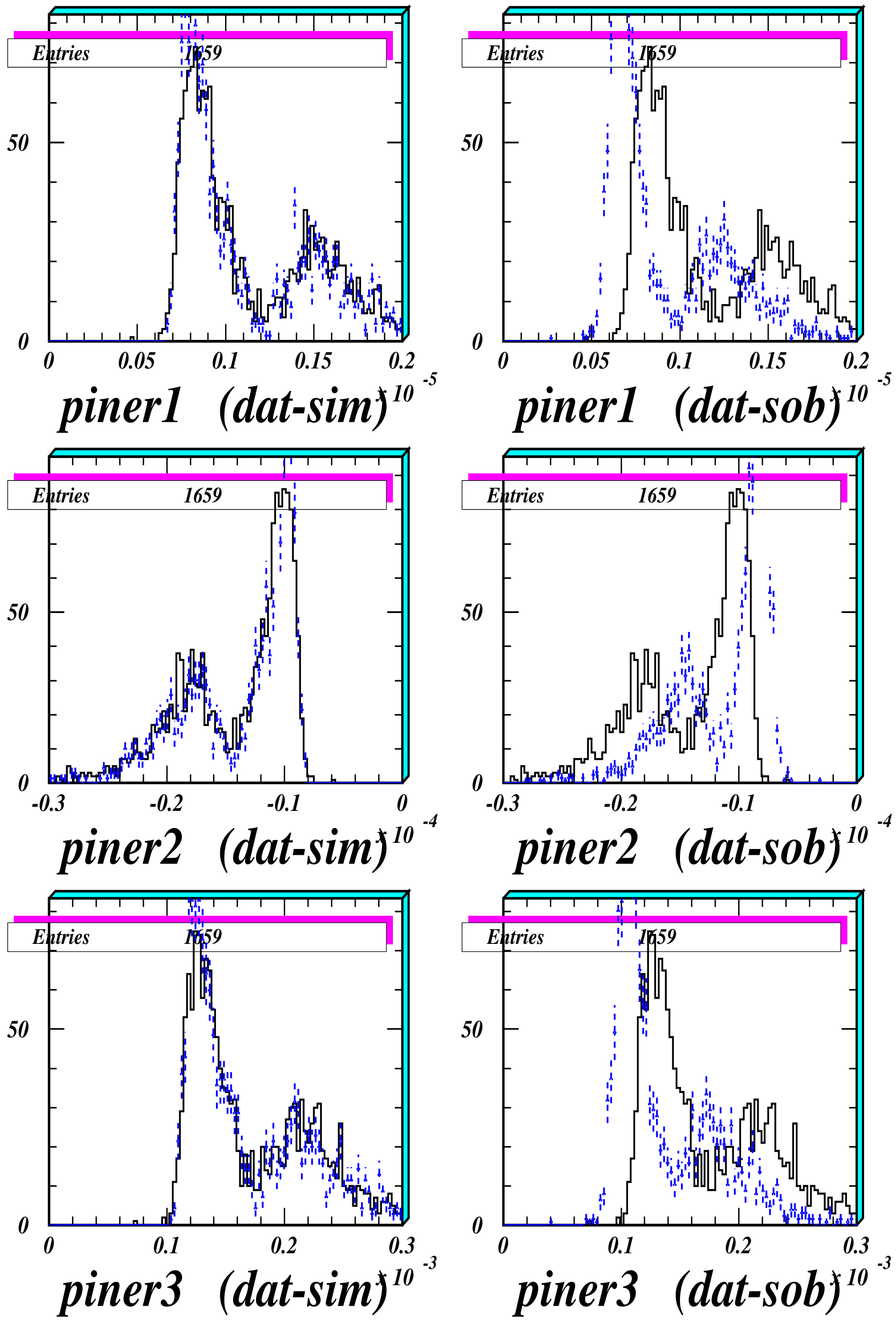

Figure 17: Comparation between Simbes1020A and Sober with Data103

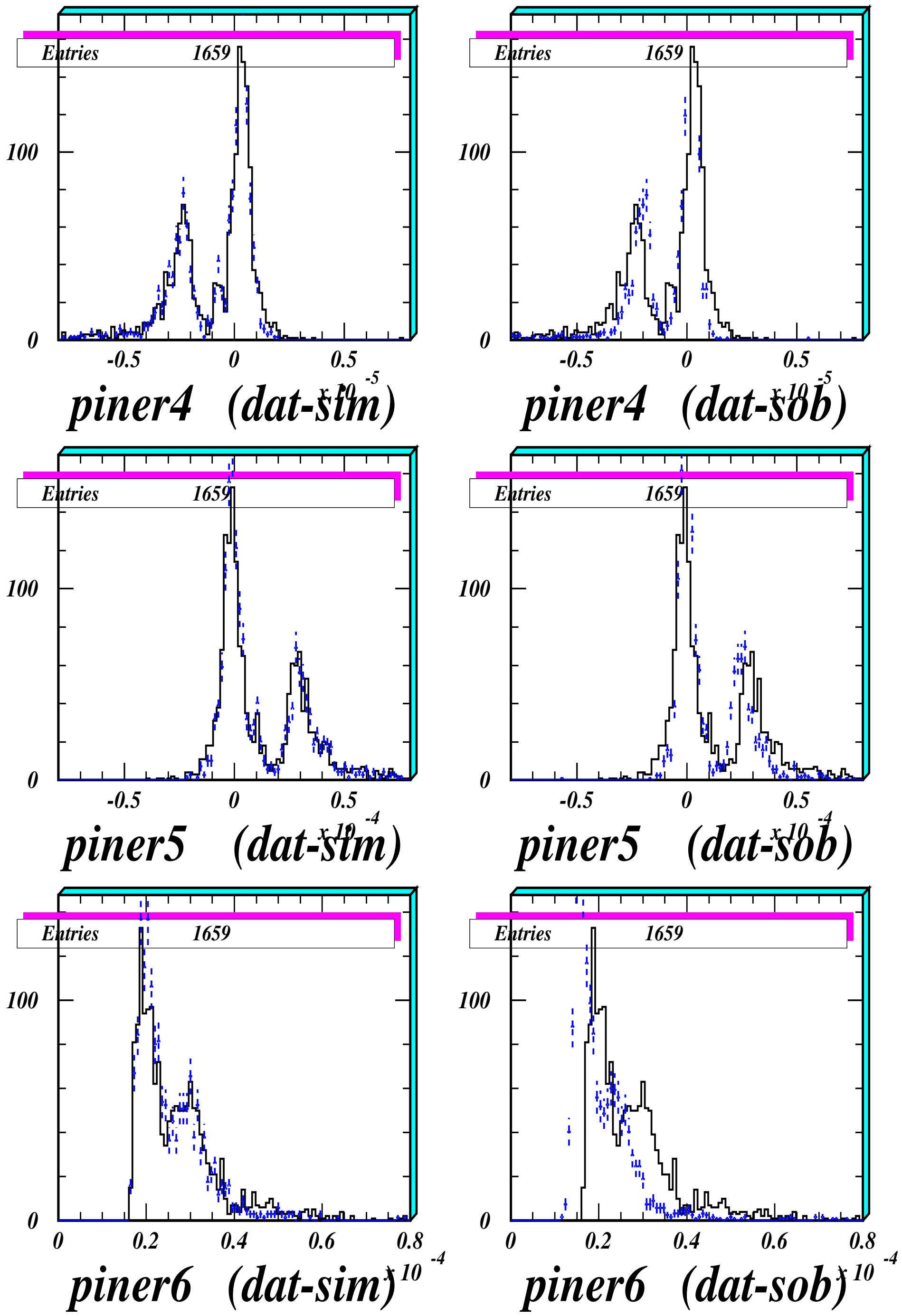

Figure 18: Comparation between Simbes1020A and Sober with Data103