reduced time vs true time: Gamma F4 cos0.850

"RvsT/LDD/LDDage1.156gF4p10.data"   +
"/tmp/realt"   *

reduced

true

Top plot legend:
"RvsT/LDD/LDDage1.156gF7p10.data"
"/tmp/realt"

reduced=true at F7

Bottom plot legend:
"RvsT/LDD/LDDage1.156gF1p10.data"
"/tmp/realt"

F1
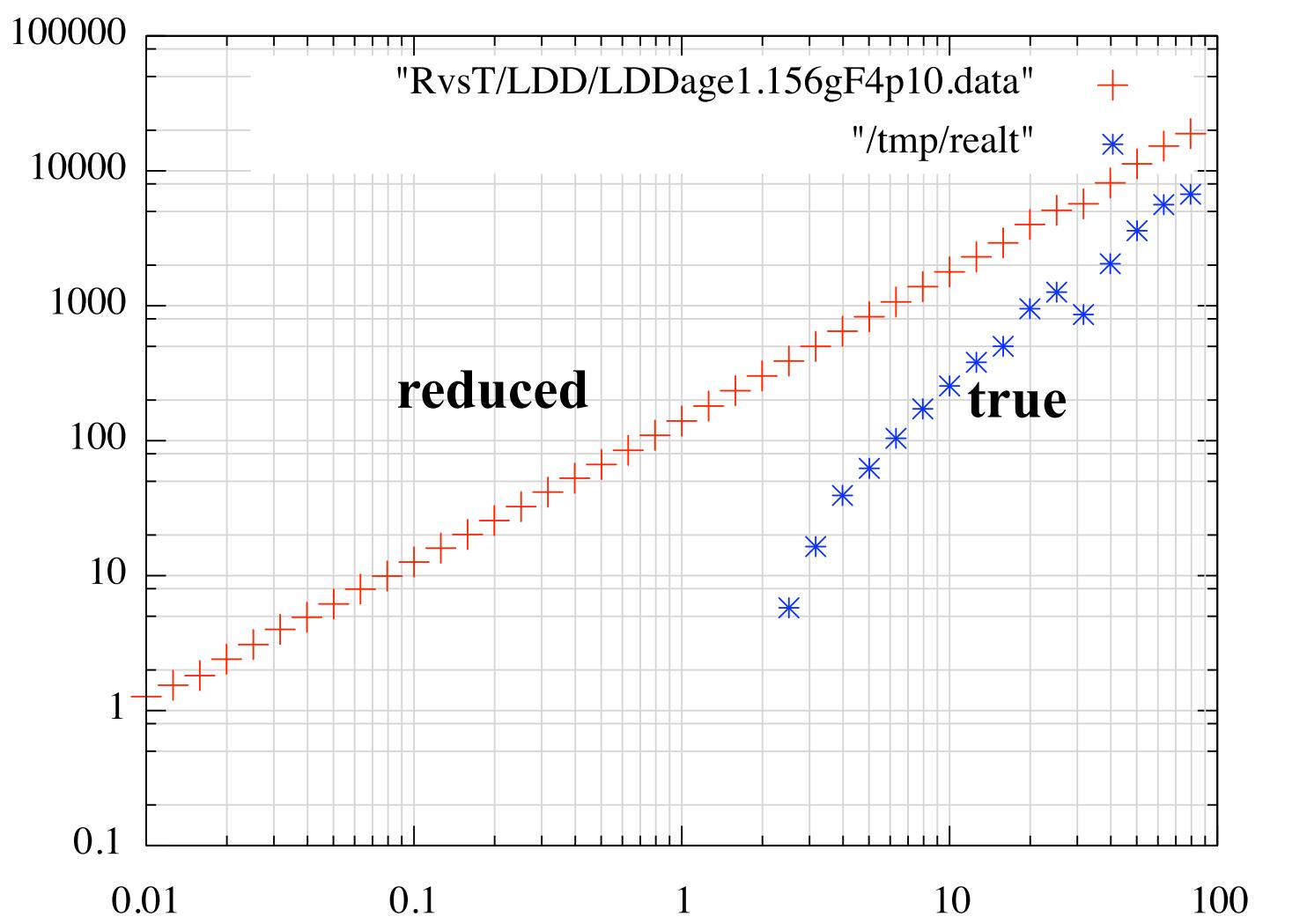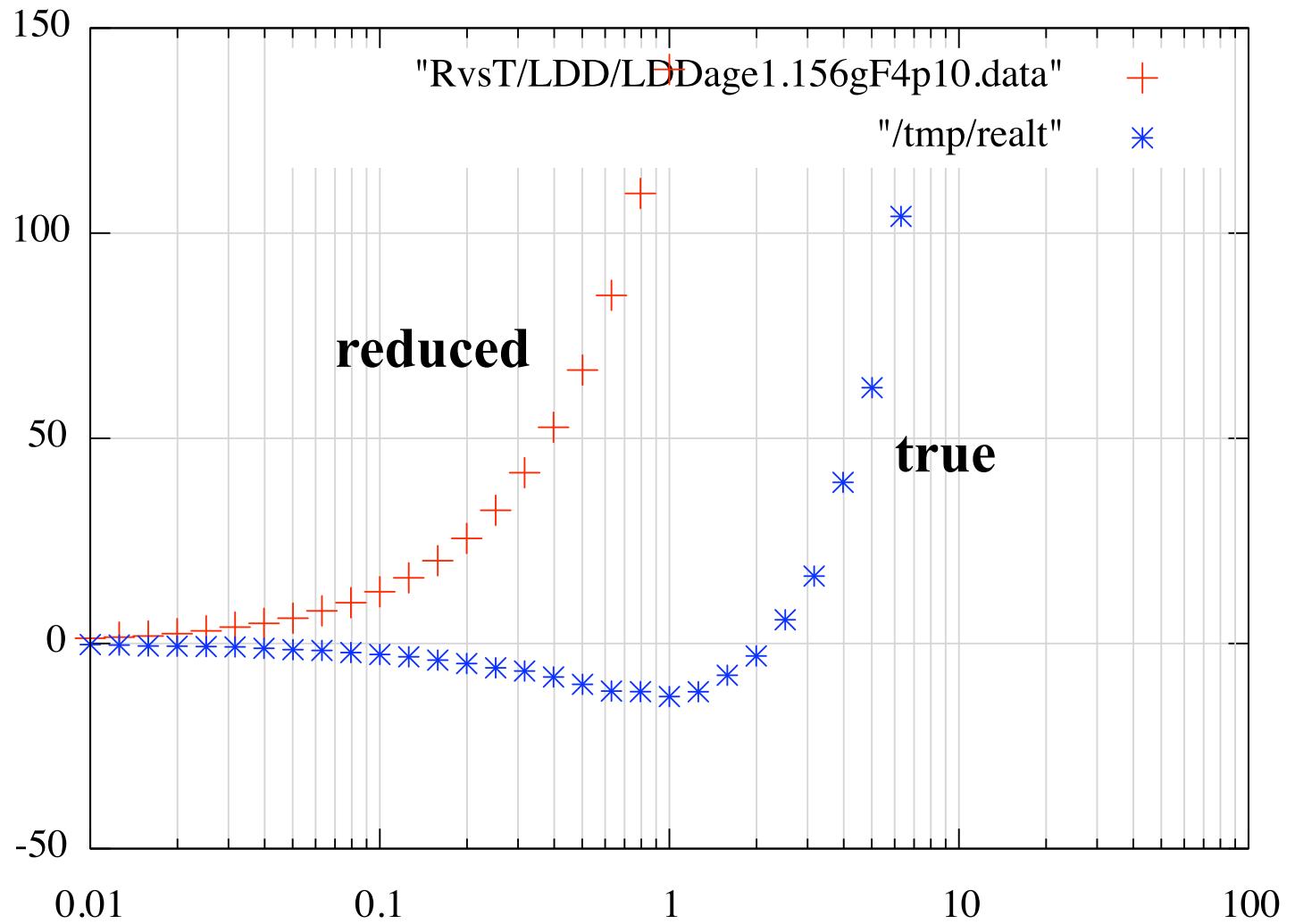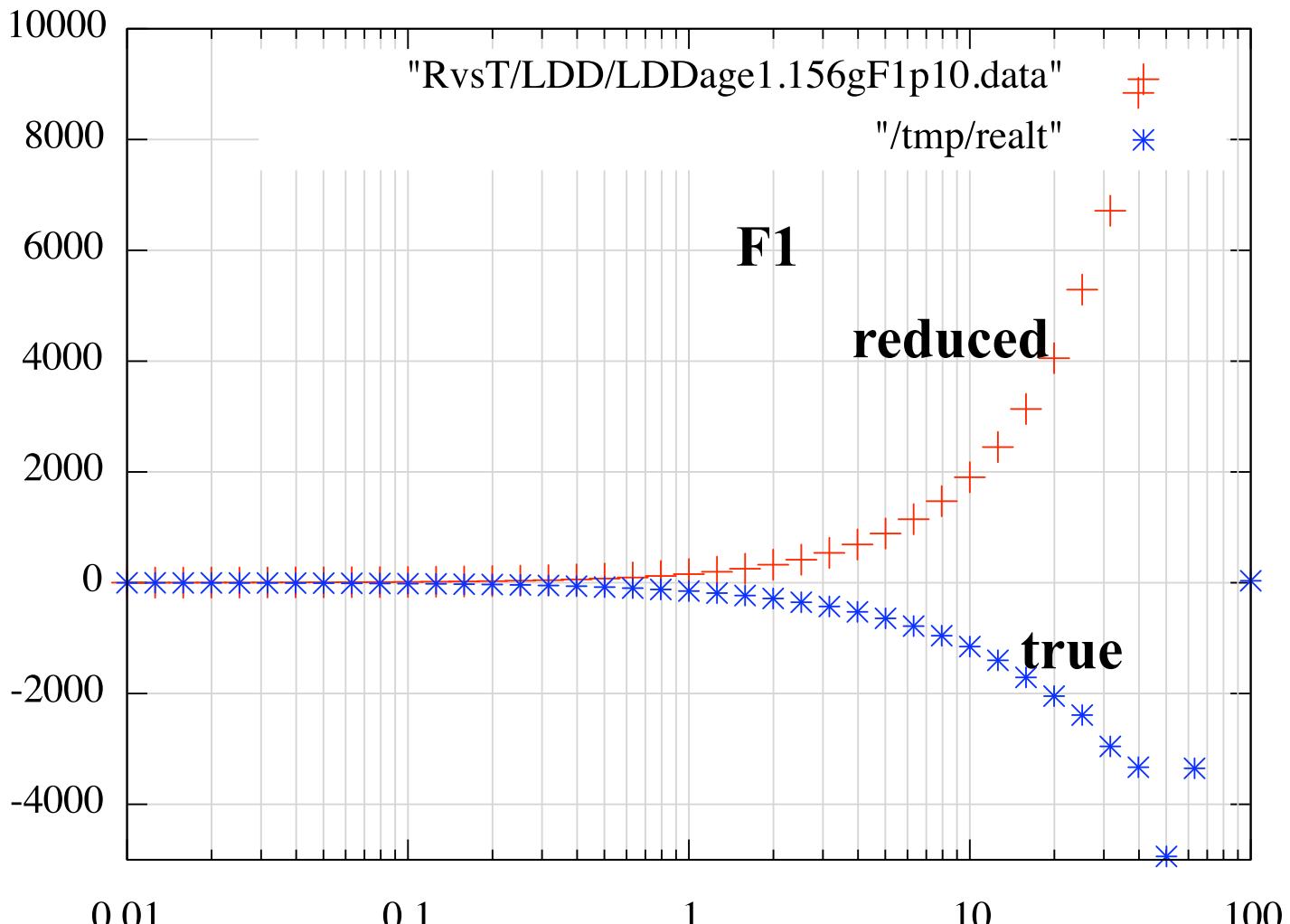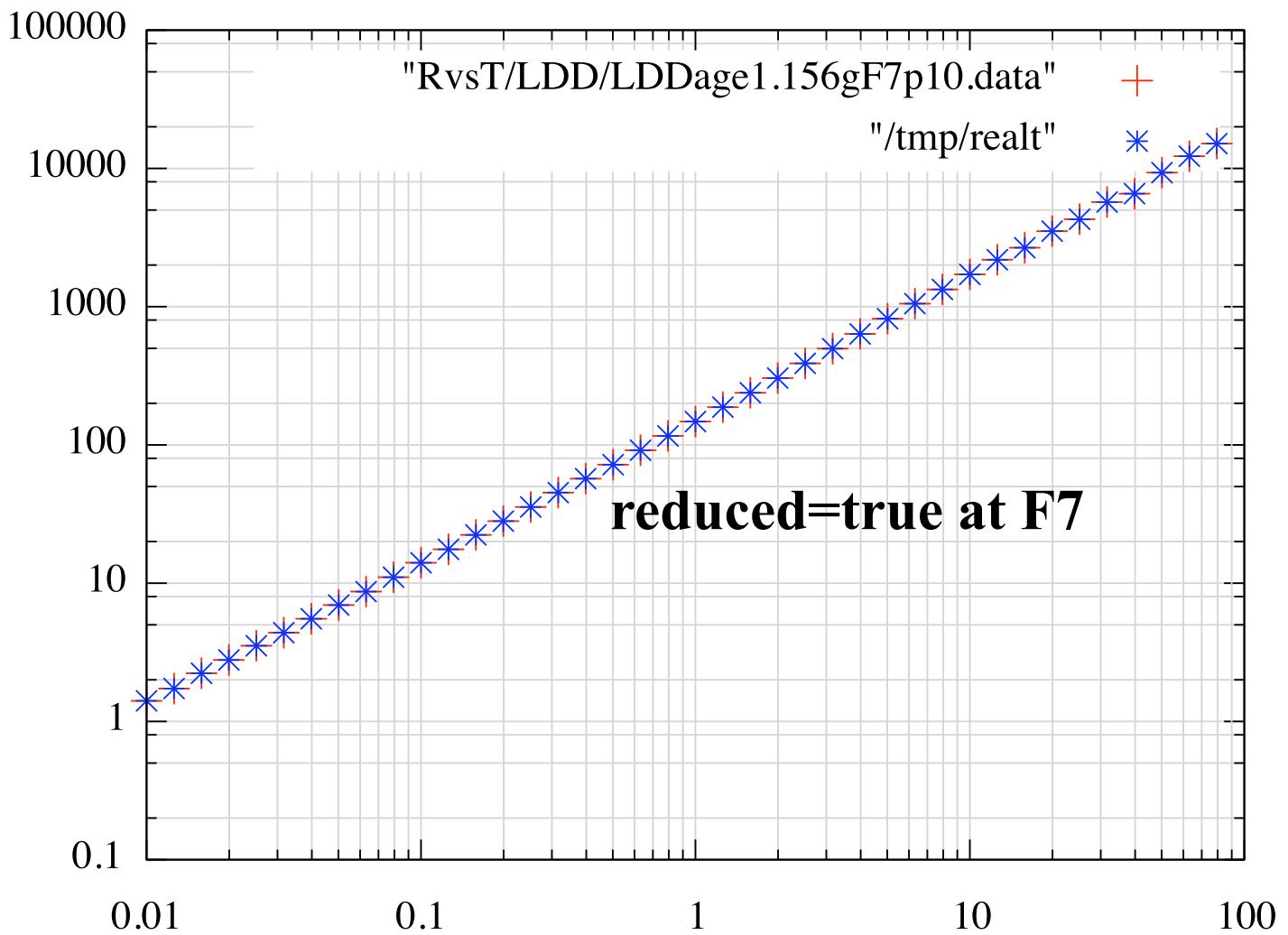
reduced

true

cos 1.0 p 20eV: g F1 T10 %

For cos1.0, reduced=true everywhere. However, we force to use reduced time using cos=0.999. Since reduced time in this case is easier for fitting as seen in the fig. below.
We note, however, fitted result can't be converted to the true time at near r~0 region as seen in the fig.   We don't care such case.

+ **Actual time histogram**
* **Reduced time histogram**
◇ Reduced to Actual conversion

line fitted result

line: fitted result --> actual time convesion
we don't care r<0.1 with t<0.1 ns region