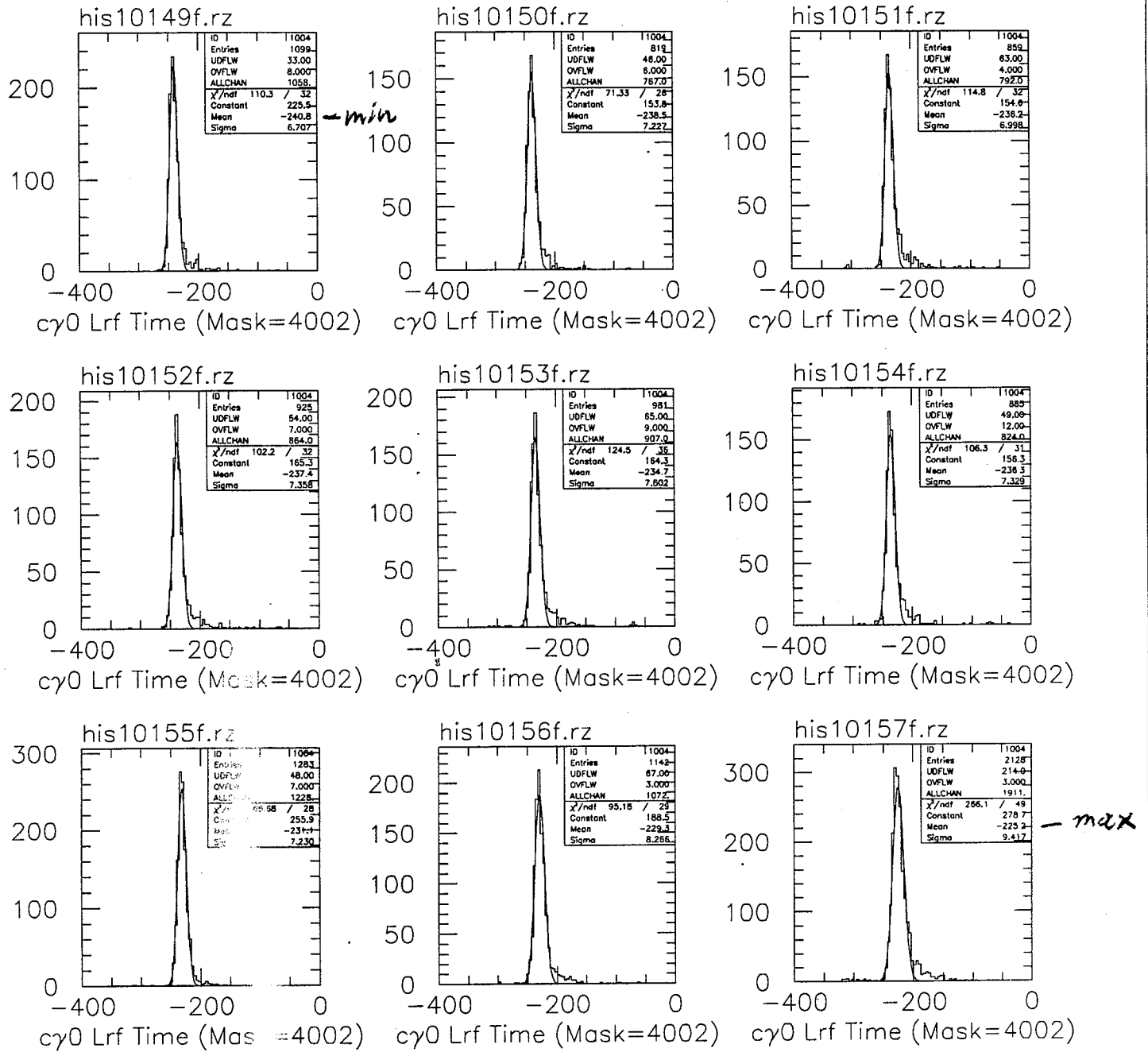


# ENERGY MEASURED BY $\gamma$ -rf TIME.

2003/11/11 13.05

1.48MeV/u  $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$  Analysis in isdag03



TOF

$\Delta x - \text{min} = 241 - 225 \text{ chan} = \underline{8 \text{ ns over } 23 \text{ m}}$

$$\frac{dE}{E} = -\frac{2\Delta T}{T} = \frac{16}{1350} = 1$$

SIGNIFICANT ENERGY SHIFT IN THESE RUNS.