NA48
L Kr

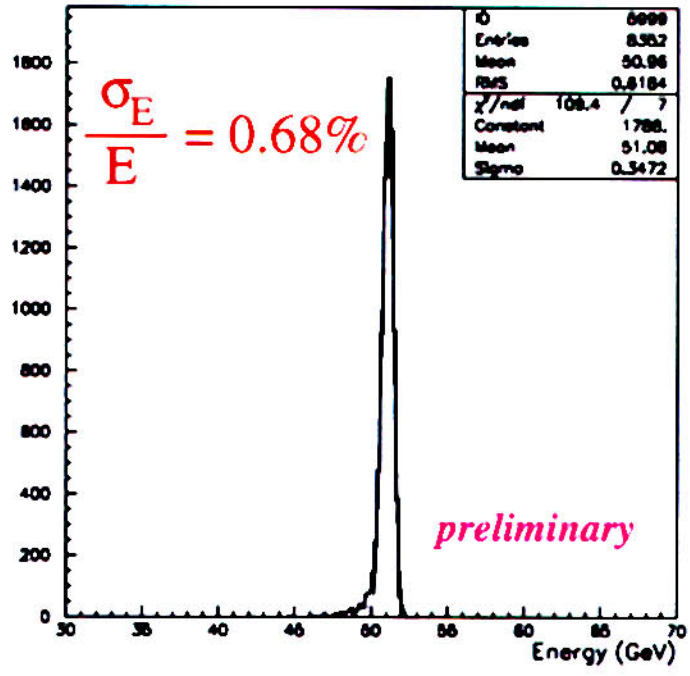
single cell resolution

measured using 50 GeV e-

ENERGY RESOLUTION

prototype:

$$\frac{\sigma_E}{E} = \frac{3.5\%}{\sqrt{E}} + 0.42\%$$

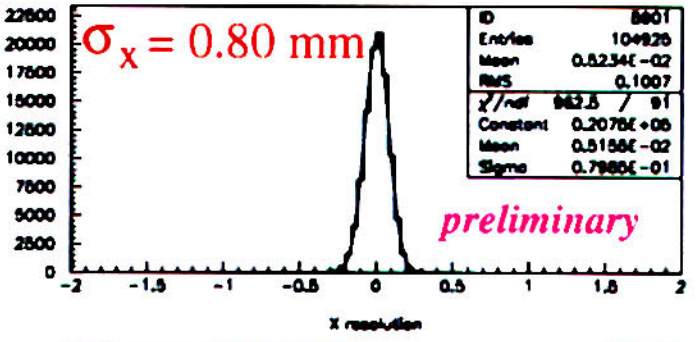
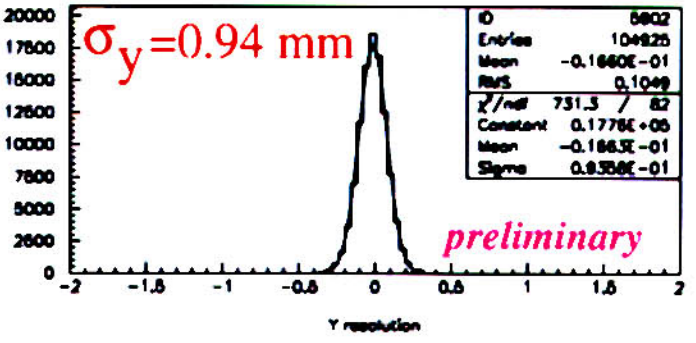


TIME RESOLUTION

$\sigma_t < 300$ ps

(not shown)

POSITION RESOLUTION

prototype:

$$\sigma_x = \sigma_y = \frac{4.2}{\sqrt{E}} + 0.6 \text{ mm}$$