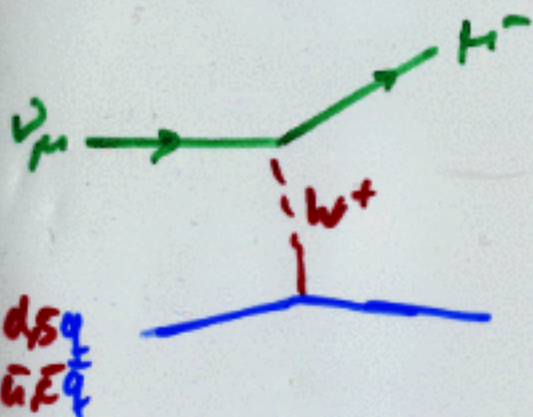


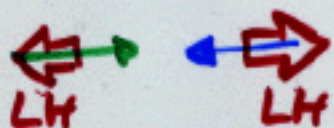
Tief inelastische

Neutrino-Streuung



q muss negativ
und LH sein

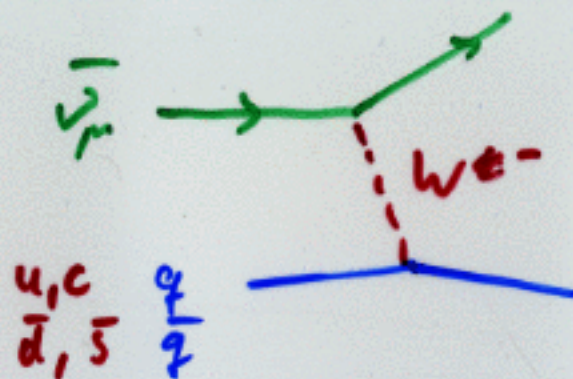
$\bar{q}$ muss negativ
und RH sein



vorher



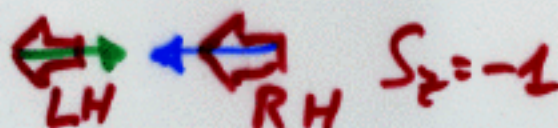
180°-Streuung
erlaubt



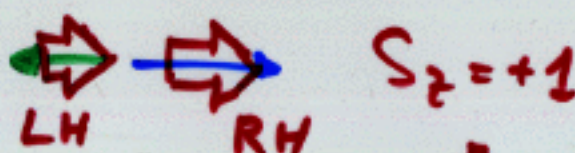
u, c
 $\bar{d}, \bar{s}$

q muss positiv
und LH sein

$\bar{q}$ muss positiv
und RH sein



$S_z = -1$

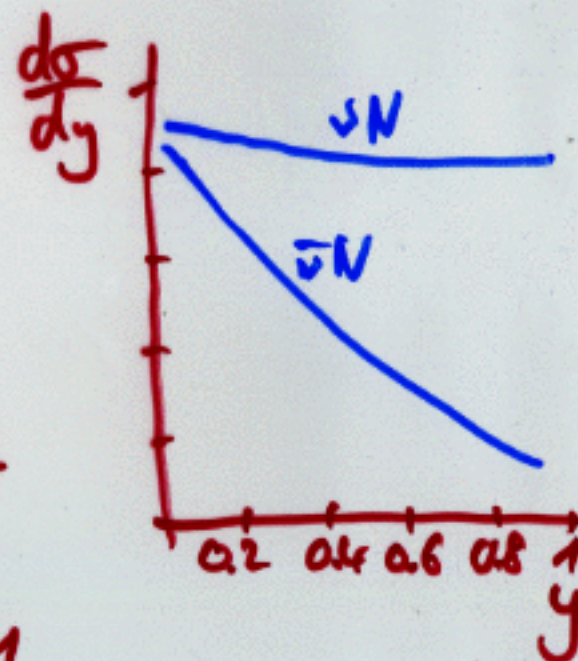


$S_z = +1$

$\bar{\nu} N$ bei 180°
verboten: Drehimpuls!
 $\propto (1 - \cos \theta)^2$

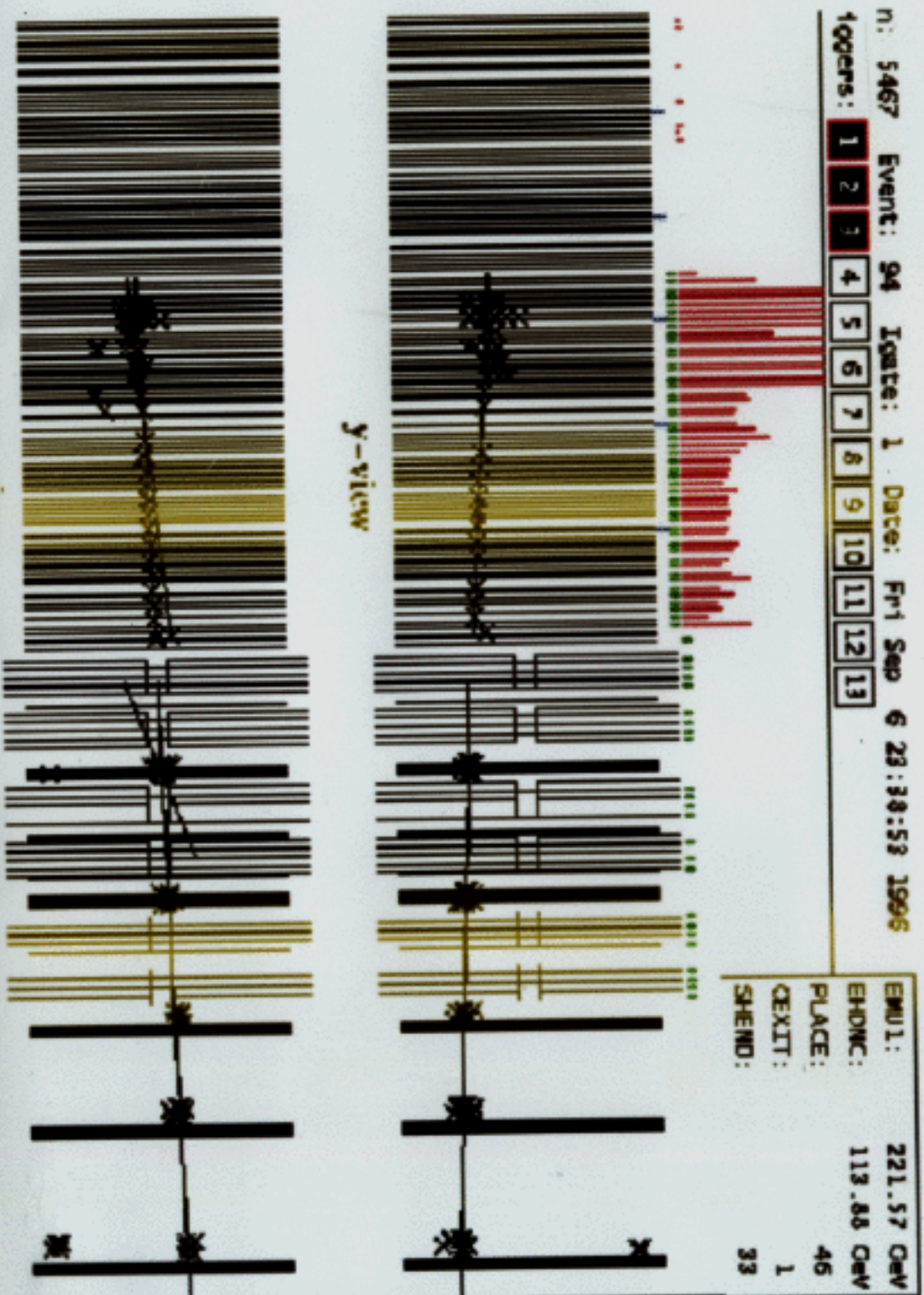
$y = \text{Energieübertrag}$
im Laborsystem
 $y = \frac{\nu}{E_\nu} = \frac{E_\nu - E_\mu'}{E_\nu}$

$\frac{d\sigma}{dy} \propto (1-y)^2$ für $\bar{\nu} N$
 $\propto 1$ für νN



$\nu_\mu \rightarrow \mu X$

Bellevue Stron



$\gamma_p \sim \gamma_n X$

neutrons slow

