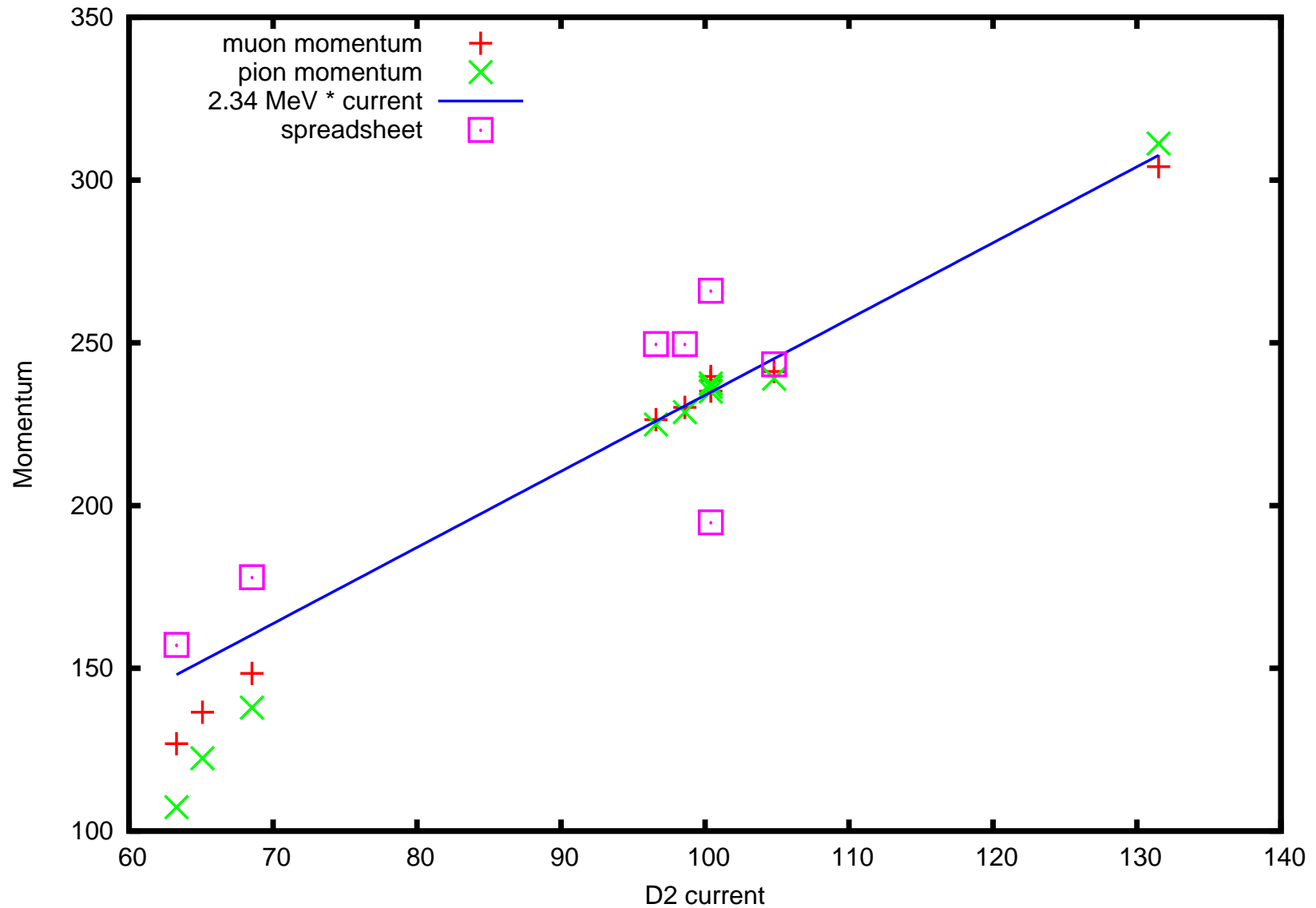


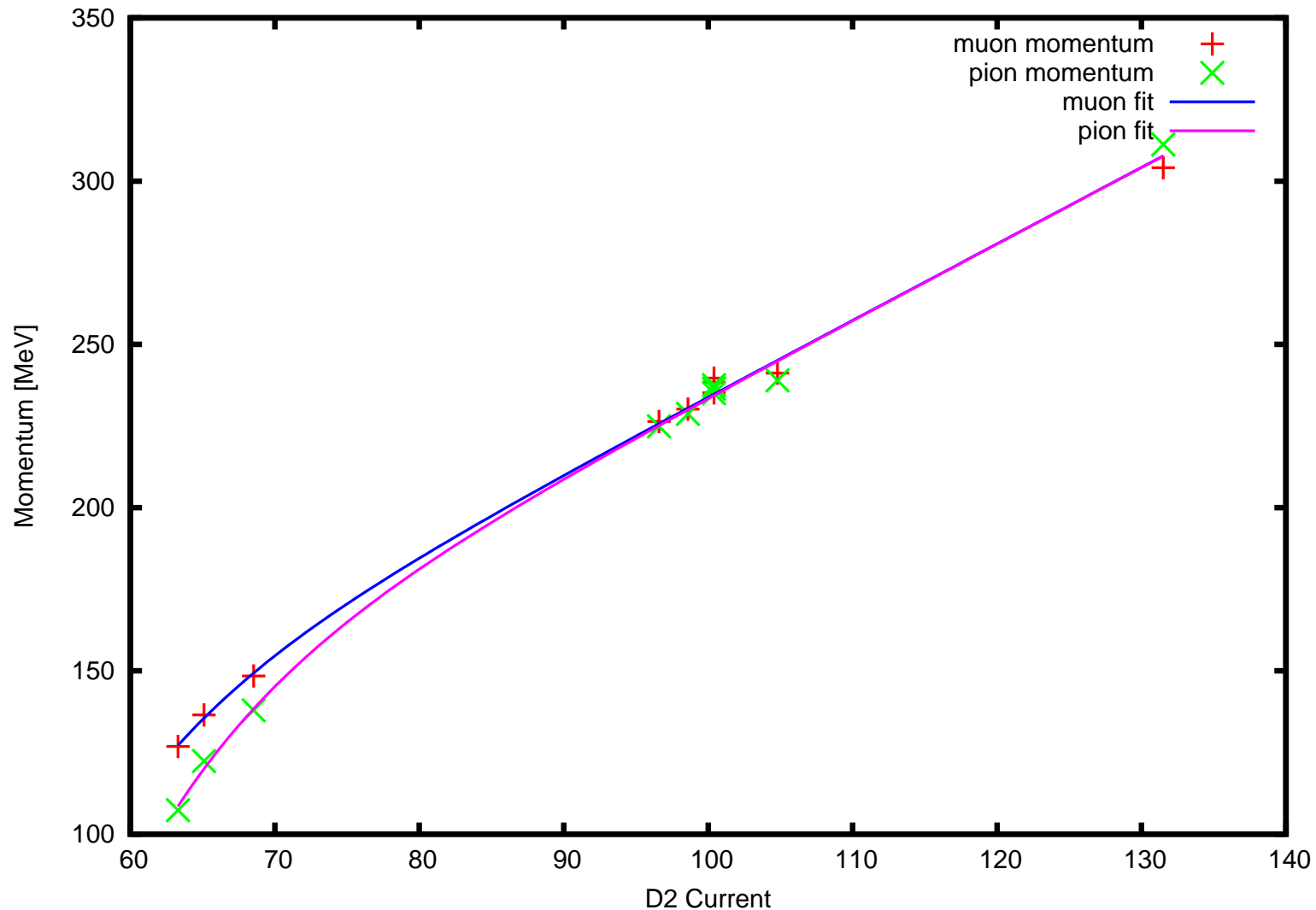
- Each peak is fit to a gaussian
- Can see 15 cm change (need more accurate geometry files?)
- Further plots will show μ and π momentum calibrated with $v_e = c$

Dipole Current \rightarrow Momentum



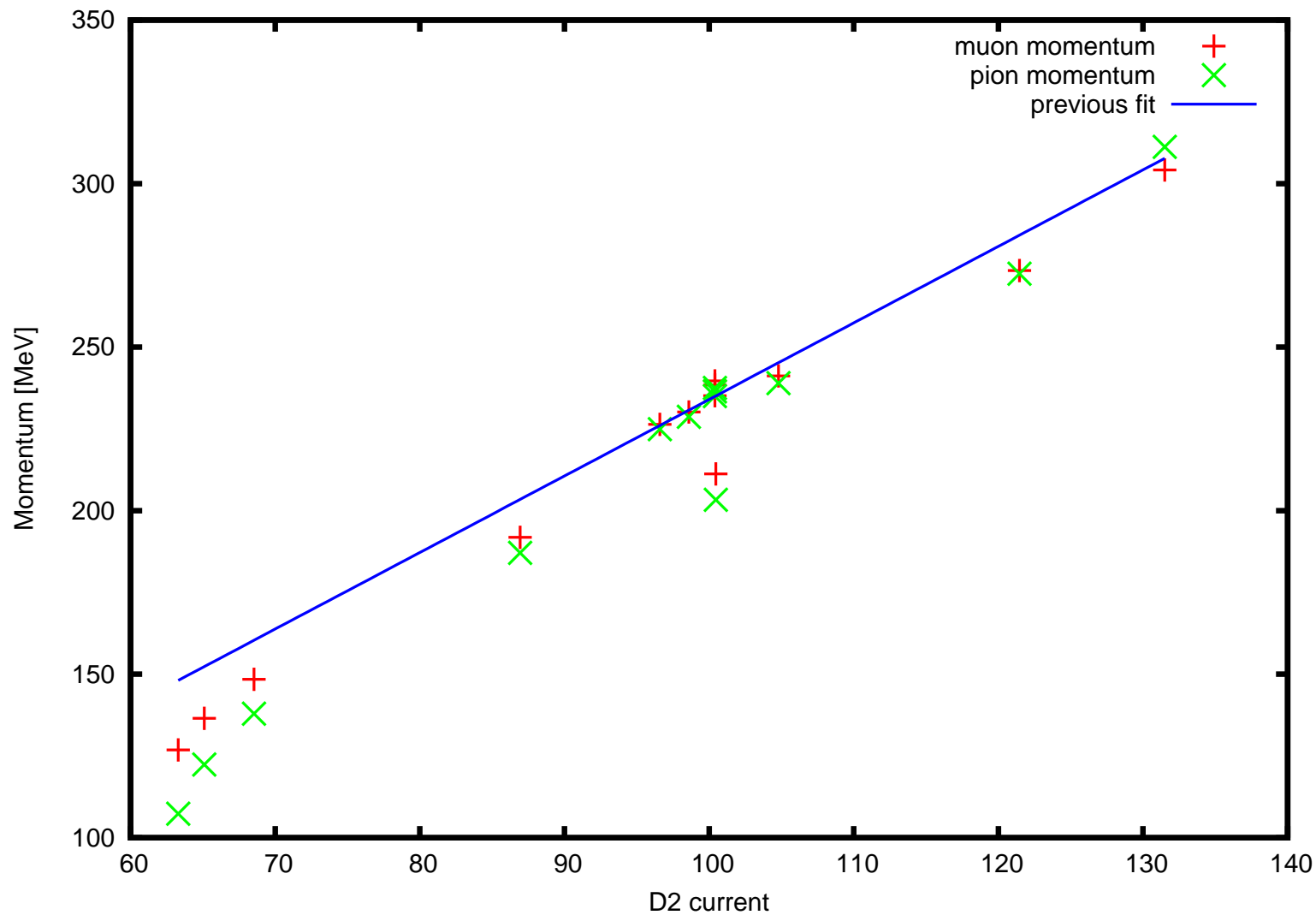
- Spreadsheet momentum is wrong
- Need correction to linear assumption at low end

Correction to Linear Assumption



- $p_{\mu} = 2.34 \cdot I - 49000 \cdot \exp(-I/8.16)$
- $p_{\pi} = 2.34 \cdot I - 49000 \cdot \exp(-I/8.89)$
- Magnet hysteresis? Initial momentum spectrum?

Additional Points



- Clearly can't just use D2 current.
- Need to look at full TOF spectrum before doing PID?