

The figure is a scatter plot with a dashed horizontal line at the top. The x-axis ranges from -200 to 150. The y-axis is unlabeled. The legend identifies six particle types: Ghost (black), Electron (red), Muon (green), Pion (blue), Kaon (yellow), and Proton (purple). The data points are distributed across the x-axis, with most points having vertical error bars. The distribution is roughly bell-shaped, peaking around x=50.

Particle Type	X Value	Y Value (approx.)	Y Error Bar (approx.)
Ghost	100	0.95	±0.05
Ghost	120	0.95	±0.05
Ghost	140	0.95	±0.05
Ghost	160	0.95	±0.05
Ghost	80	0.85	±0.05
Ghost	60	0.75	±0.05
Ghost	40	0.65	±0.05
Electron	50	0.45	±0.15
Electron	60	0.35	±0.05
Electron	10	0.25	±0.05
Electron	0	0.25	±0.05
Electron	-10	0.25	±0.05
Electron	-20	0.25	±0.05
Electron	-30	0.25	±0.05
Electron	-40	0.25	±0.05
Electron	-50	0.25	±0.05
Electron	-60	0.25	±0.05
Electron	-70	0.25	±0.05
Electron	-80	0.25	±0.05
Electron	-90	0.25	±0.05
Electron	-100	0.25	±0.05
Electron	-110	0.25	±0.05
Electron	-120	0.25	±0.05
Electron	-130	0.25	±0.05
Electron	-140	0.25	±0.05
Electron	-150	0.25	±0.05
Electron	-160	0.25	±0.05
Electron	-170	0.25	±0.05
Electron	-180	0.25	±0.05
Electron	-190	0.25	±0.05
Electron	-200	0.25	±0.05
Muon	80	0.85	±0.15
Muon	60	0.75	±0.15
Muon	40	0.65	±0.15
Muon	20	0.55	±0.15
Muon	0	0.45	±0.15
Muon	-20	0.35	±0.15
Muon	-40	0.25	±0.15
Muon	-60	0.25	±0.15
Muon	-80	0.25	±0.15
Muon	-100	0.25	±0.15
Muon	-120	0.25	±0.15
Muon	-140	0.25	±0.15
Muon	-160	0.25	±0.15
Muon	-180	0.25	±0.15
Muon	-200	0.25	±0.15
Pion	40	0.65	±0.05
Pion	20	0.55	±0.05
Pion	0	0.45	±0.05
Pion	-20	0.35	±0.05
Pion	-40	0.25	±0.05
Pion	-60	0.25	±0.05
Pion	-80	0.25	±0.05
Pion	-100	0.25	±0.05
Pion	-120	0.25	±0.05
Pion	-140	0.25	±0.05
Pion	-160	0.25	±0.05
Pion	-180	0.25	±0.05
Pion	-200	0.25	±0.05
Kaon	50	0.95	±0.05
Kaon	30	0.85	±0.05
Kaon	10	0.75	±0.05
Kaon	-10	0.65	±0.05
Kaon	-30	0.55	±0.05
Kaon	-50	0.45	±0.05
Kaon	-70	0.35	±0.05
Kaon	-90	0.25	±0.05
Kaon	-110	0.25	±0.05
Kaon	-130	0.25	±0.05
Kaon	-150	0.25	±0.05
Kaon	-170	0.25	±0.05
Kaon	-190	0.25	±0.05
Kaon	-200	0.25	±0.05
Proton	40	0.65	±0.05
Proton	20	0.55	±0.05
Proton	0	0.45	±0.05
Proton	-20	0.35	±0.05
Proton	-40	0.25	±0.05
Proton	-60	0.25	±0.05
Proton	-80	0.25	±0.05
Proton	-100	0.25	±0.05
Proton	-120	0.25	±0.05
Proton	-140	0.25	±0.05
Proton	-160	0.25	±0.05
Proton	-180	0.25	±0.05
Proton	-200	0.25	±0.05

