

Figure 1 is a plot showing the number of particles per event as a function of the number of particles in the event. The x-axis is labeled "Number of particles in the event" and ranges from 0 to 40. The y-axis is labeled "Number of particles per event" and ranges from 0 to 10. The plot displays data points for various particle types, each with error bars. The legend indicates the following particle types and their corresponding colors:

- Ghost (Black)
- Electron (Red)
- Muon (Green)
- Pion (Blue)
- Kaon (Yellow)
- Proton (Purple)

The Electron data points show a distribution peaking around 11 particles, while the other particle types (Ghost, Muon, Pion, Kaon, Proton) show distributions concentrated at low particle counts (0 to 5).

