

Figure 1 is a plot showing the number of particles per unit volume, N/V , as a function of the chemical potential μ . The x-axis represents μ and ranges from 0 to 1.0. The y-axis represents N/V and ranges from 0 to 25. The plot includes data points for six different particle species: Ghost (black), Electron (red), Muon (green), Pion (blue), Kaon (yellow), and Proton (magenta). The Ghost particle has the highest density, followed by Pion, Kaon, Electron, and Muon. The Proton density is very low and remains near zero across the entire range of μ .

