

Unfolded dR Cent = 1 SI = 1 Iter = 4

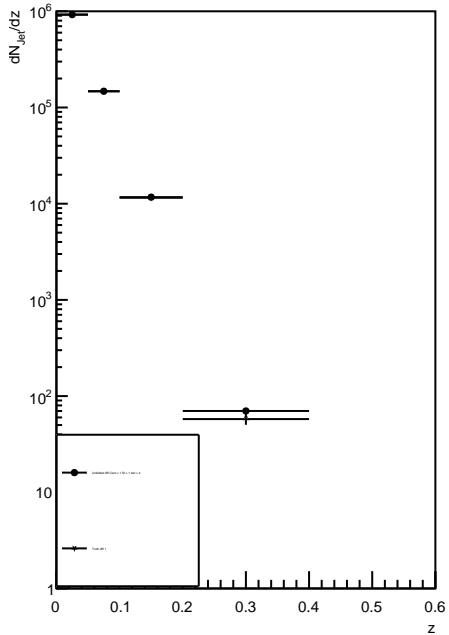


Figure 1 is a plot showing the differential number density of dark matter particles, dN/dz , as a function of redshift z . The y-axis is logarithmic, ranging from 1 to 10^6 . The x-axis is linear, ranging from 0 to 0.6. Data points with error bars are shown for the Ly-alpha forest (filled circles) and the Sloan Digital Sky Survey (open circles). A solid line represents the total dark matter density, and a dashed line represents the dark matter density in the Ly-alpha forest. The Ly-alpha forest density is significantly lower than the total dark matter density at low redshifts.