



**Figure 24.1:** The primordial abundances of  ${}^4\text{He}$ , D,  ${}^3\text{He}$ , and  ${}^7\text{Li}$  as predicted by the standard model of Big-Bang nucleosynthesis — the bands show the 95% CL range [44]. Boxes indicate the observed light element abundances. The narrow vertical band indicates the CMB measure of the cosmic baryon density, while the wider band indicates the BBN D+ ${}^4\text{He}$  concordance range (both at 95% CL).

He and H in the most metal-poor extragalactic HII (ionized) regions, *viz.* blue compact galaxies, generally found at low redshift. There is now a large body of data on  ${}^4\text{He}$  and CNO in these galaxies,