ROBERT UNDERWOOD, Auburn University at Montgomery Hopf Orders in $K[C_p^3]$ in Characteristic p

Let p be a prime number, let K be a field of characteristic p that is complete with respect to a discrete valuation, and let C_p^3 denote the elementary abelian group of order p^3 . We construct a large collection of Hopf orders in the K-Hopf algebra $K[C_p^3]^*$ and compute their dual Hopf orders in $K[C_p^3]$.