Let $K$ be a discrete valuation field with a discrete valuation and associated place $P$. We investigate the ramification group filtration of an elementary abelian extension $L/K$ at $P$. Due to the intimate interplay between the ramification group filtration and the different exponent in all of the sub-extensions of prime degree over $K$, we can treat number fields, function fields, and local fields simultaneously. The Hasse-Arf property is shown to be true and best possible.

Time permitting, we will also talk about how to generalize the results into other Galois extensions with non-abelian Galois groups. (Received September 17, 2010)