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ldh descent for motives

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The hypothesis that the base field satisfies resolution of singularities appears frequently in Voevodsky's work on motives. Recently, Gabber provided a theorem on alterations in the spirit of de Jong's theorem, that can serve as a replacement for resolution of singularities if $\mathbb{Z}[1/p]$ coefficients are used (where p is the characteristic of the perfect base field). We will discuss how this theorem may be applied in the motivic setting, with an emphasis on the scheme geometry and Grothendieck topologies involved, and playing down the homotopy theory that appears.