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Animal Science, 3900 Old Main Hill, Logan, UT 84322. *K-theory and Grothendieck–Witt theory of monoid schemes.*

Monoid schemes are topological spaces modelled locally on spectra of commutative pointed monoids and, as such, form the core of algebraic geometry over the field with one element. The goal of this talk is to describe the algebraic  $K$ -theory and Grothendieck–Witt theory spaces of an integral monoid scheme. It turns out that these spaces are determined by the Picard group and monoid of global functions of the monoid scheme (thought of equivariantly in the case of Grothendieck–Witt theory). Base on joint work with Jens Eberhardt and Oliver Lorscheid. (Received January 15, 2021)