The bicategory of fractions [2] of the 2-category of internal groupoids and internal functors in groups with respect to weak equivalences (i.e. functors which are internally full, faithful and essentially surjective [1]) has an easy description: one has just to replace internal functors by monoidal functors [3]. The aim of this talk is to present a generalization of this result from groups to any monadic category over a regular category \( C \), assuming that the axiom of choice holds in \( C \). For \( T \) a monad on \( C \), the bicategory of fractions of \( \text{Grpd}(C^T) \) with respect to weak equivalences is now obtained replacing internal functors by what we call \( T \)-monoidal functors.

**References**


*Joint work with Enrico Vitale*