1135-18-273 **Jonathan Beardsley** (jbeards1@uw.edu) and **Liang Ze Wong*** (wonglz@uw.edu). *The enriched Grothendieck construction.* Preliminary report.

Fibrations, or fibered categories, were introduced by Grothendieck in order to define stacks and descent theory. They have since found numerous applications outside of algebraic geometry, such as to algebraic topology and type theory. The Grothendieck construction and its inverse show that the category of fibrations over a base category $\mathcal{B}$ is equivalent to the category of pseudofunctors $\mathcal{B}^{op} \to \mathbf{Cat}$, also known as graded or indexed categories. In this talk, we develop the theory of fibrations for categories enriched over a semi-cartesian monoidal category $\mathcal{V}$, along with enriched versions of the Grothendieck construction and its inverse. We then mention some modifications required when enriching over $\mathbf{Vect}_k$, which is not semi-cartesian. (Received August 17, 2017)