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**Emilie B Wiesner\*** ([ewiesner@ithaca.edu](mailto:ewiesner@ithaca.edu)), Ithaca College, 953 Danby Rd, Ithaca, NY 14850, and **Matthew Ondrus**. *Whittaker modules for the Insertion-Elimination Algebra*. Preliminary report.

The insertion-elimination algebra can be realized in terms of insertion and elimination actions on the set of rooted trees. First defined by Connes and Kreimer (2002) in relation to Feynman graphs, the insertion-elimination algebra is an infinite-dimensional Lie algebra with a triangular decomposition. As such, it provides an interesting example for study in representation theory. Some work on lowest weight modules for this algebra has been carried out by Szczesny (2007). I'll present results, done jointly with Matt Ondrus, on Whittaker modules for this algebra, another class of modules that takes advantage of the triangular decomposition of the Lie algebra. (Received July 28, 2014)