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Futoshi Hayasaka* (hayasaka@okayama-u.ac.jp). *Indecomposable integrally closed modules associated to complete monomial ideals.*

In this talk, we shall give a class of integrally closed modules of rank two over a two-dimensional regular local ring and discuss their indecomposability. The modules are explicitly constructed from a given complete monomial ideal with respect to a regular system of parameters. As a result, we show that for any complete monomial ideal of order at least three, there exists an indecomposable integrally closed module whose Fitting ideal is a given complete monomial ideal. This gives a large class of concrete counterexamples to Kodiyalam's question. (Received December 26, 2018)