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Ela Celikbas* (celikbase@missouri.edu), 109A Math Sciences Bldg, Mathematics Department, University of Missouri, Columbia, MO 65211, and **Christina Eubanks-Turner** and **Sylvia Wiegand**. *Prime Ideals in Quotients of Mixed Power Series/Polynomial Rings*. Preliminary report.

In this talk we discuss sets of prime ideals in quotients of mixed power series-polynomial rings. For a one-dimensional Noetherian domain R , we describe prime spectra of certain two-dimensional quotients of mixed power series/polynomial rings over R , that is, $\text{Spec}(R[[x]][y]/Q)$ and $\text{Spec}(R[y][[x]]/Q')$, where x and y indeterminates and Q and Q' are certain height-one prime ideals of $R[[x]][y]$ and $R[y][[x]]$ respectively. (Received September 02, 2012)