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Giulio Caviglia* (gcavigli@math.purdue.edu), Purdue University, Mathematics Department, 150 N. University Street, West Lafayette, IN 47907, and **Manoj Kummini**. *Betti tables of p -Borel-fixed ideals.*

In this note we provide a counter-example to a conjecture of K. Pardue [Thesis, Brandeis University, 1994.], which asserts that if a monomial ideal is p -Borel-fixed, then its \mathbb{N} -graded Betti table, after passing to any field does not depend on the field. More precisely, we show that, for any monomial ideal I in a polynomial ring S over the ring \mathbb{Z} of integers and for any prime number p , there is a p -Borel-fixed monomial S -ideal J such that a region of the multigraded Betti table of $J(S \otimes_{\mathbb{Z}} \ell)$ is in one-to-one correspondence with the multigraded Betti table of $I(S \otimes_{\mathbb{Z}} \ell)$ for all fields ℓ of arbitrary characteristic. There is no analogous statement for Borel-fixed ideals in characteristic zero. Additionally, the construction also shows that there are p -Borel-fixed ideals with non-cellular minimal resolutions. (Received August 08, 2013)