C Caruvana* (christopher.caruvana@unt.edu) and R Kallman. *Descriptive Set Theory and Borel Probabilities.

We will study certain sets of Borel probabilities on a Polish space and introduce a σ-ideal of sets which extends the σ-ideal of meager sets which, in many models of ZFC, is a strict extension. We will also show that the σ-ideal introduced strictly extends the σ-ideal of universally null sets and discuss some applications of Martin’s Axiom. (Received September 19, 2016)