1086-46-1230 **Ken Dykema** (kdykema@math.tamu.edu), Department of Mathematics, Mailstop 3368, Texas A&M University, College Station, TX 77843-3368, and **Francisco J Torres-Ayala*** (tfrancisco.math@gmail.com), UNAM, Campus Juriquilla, Facultad de Ciencias, Boulevard Juriquilla 3001, 76230 Santiago deQueretaro, Mexico. *Primitivity and unital full free products of residually finite dimensional C^*-algebras.*

A C^*-algebra is called primitive if it admits a faithful and irreducible $*$-representation. Using compact perturbations M.-D. Choi proved that $C^*(\mathbb{F}_n)$, the full group C^*-algebra of the free group of rank $n \geq 2$, is primitive. In joint work with Ken Dykema we prove that if A_1 and A_2 are unital, separable, residually finite dimensional C*-algebras satisfying $(\dim(A_1) - 1)(\dim(A_2) - 1) \geq 2$, then $A_1 * A_2$, the unital full free product, is primitive. In this talk we present the main idea behind the proof and some consequences. (Received September 20, 2012)