1046-42-511 **Diego Maldonado** and **Virginia Naibo*** (vnaibo@math.ksu.edu), Kansas State University, Mathematics Department, 138 Cardwell Hall, Manhattan, KS 66506. *Besov-Lebesgue mapping properties for bilinear operators.* Preliminary report.

We discuss Besov-Lebesgue mapping properties of the form $\dot{B}_p^{\alpha,s} \times L^q \to \dot{B}_r^{\alpha,s}$ for families of bilinear operators, including molecular paraproducts and Hörmander-Mihlin multipliers, and their connections with bilinear Littlewood-Paley theory. (Received September 05, 2008)