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Son Duong (snduong@math.uci.edu), Department of Math., University of California, Irvine, CA 92697-3875, **Song-Ying Li*** (sli@math.uci.edu), Department of Mathematics, University of California, Irvine, CA 92697-3875, and **Xiaodong Wang** (xwang@math.msu.edu), Department of Math, Michigan State University, East Lansing, MI. *The sharp estimate on the first positive eigenvalue of Kohn-Laplacian.*

This is a joint work with Son Duong and Xiaodong Wang. We proved the Obata type theorem on a strictly pseudoconvex pseudo-hermitian CR manifolds for Kohn Laplacian. (Received June 03, 2013)