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**Xiaodong Wang\*** ([xwang@math.msu.edu](mailto:xwang@math.msu.edu)), Michigan State University, Wells Hall D202, East Lansing, MI 48824. *On the bottom of spectrum of certain complete Kahler manifolds.*

The bottom of spectrum is an important invariant for a complete Riemannian manifold. We are interested in both the upper and lower bounds assuming a negative lower bound on the Ricci curvature. I will first discuss some results in the Riemannian case. Then I will focus on the Kahler case. We will formulate a conjecture and discuss some partial results. This is a joint work with Song-Ying Li at UC Irvine. (Received September 02, 2010)