1047-05-213 **Hong-Jian Lai*** (`hjlai@math.wvu.edu`), 320 Armstrong Hall, West Virginia University, Morgantown, WV 26506-6310, **Yanting Liang** (`lyt814@math.wvu.edu`), 320 Armstrong Hall, West Virginia University, Morgantown, WV 26506-6310, and **Yehong Shao** (`shaoy@ohio.edu`), Arts and Science, Ohio University Southern, Ironton, OH 45638. *On s-hamiltonian connected line graphs.*

A graph G is hamiltonian-connected if any two of its vertices are connected by a Hamilton path (a path including every vertex of G); and G is s-hamiltonian-connected if the deletion of any vertex subset with at most s vertices results in a hamiltonian-connected graph. In this paper, we prove that the line graph of a $(t + 4)$-edge-connected graph is $(t + 2)$-hamiltonian-connected if and only if it is $(t + 5)$-connected, and for $s \geq 2$ every $(s + 5)$-connected line graph is s-hamiltonian-connected. (Received January 29, 2009)