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Left-orderability and cyclic branched covers.

It is conceivable that for a rational homology 3-sphere $M$, the following are equivalent: (1) $\pi_1(M)$ is left-orderable, (2) $M$ admits a co-orientable taut foliation, and (3) $M$ is not a Heegaard Floer L-space. We will discuss these properties in the case where $M$ is a cyclic branched cover of a knot in $S^3$. (Received September 11, 2014)