Title: Real hypersurfaces with Reeb invariant shape operator in the complex hyperbolic quadric

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First, we introduce the notion of Reeb invariant shape operator for real hypersurfaces in the complex hyperbolic quadric $Q^{m*} = SO_{2,m}^o/SO_m SO_2$, $m \geq 3$. Next, we give a complete classification of real hypersurfaces with *Reeb invariant shape operator* in the complex hyperbolic quadric Q^{m*}.

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