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HÖLDER TYPE INEQUALITIES ON HILBERT C^* -MODULES AND ITS REVERSES

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*Dedicated to Professor Tsuyoshi Ando in celebration of his distinguished achievements in
Matrix Analysis and Operator Theory*

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ABSTRACT. In this paper, we show Hilbert C^* -module versions of Hölder–McCarthy inequality and its complementary inequality. As an application, we obtain Hölder type inequalities and its reverses on a Hilbert C^* -module.

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