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High-Dimensional Multi-particle Cat-Like State Teleportation

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Abstract: Two kinds of M-particle d-dimensional Schmidt-form entangled state teleportation protocols are presented. In the first protocol, the teleportation is achieved by d-dimensional Bell-basis measurements, while in the second protocol it is realized by d-dimensional GHZ-basis measurement.

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Key words: teleportation, Bell measurement, GHZ measurement

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