a

Two-photon polarization-entanglement source

N-photon polarization-entangled (GHZ) state

Polarizing beam splitter

b

Trigger

Three-photon, 3D OAM–GHZ state

50:50 Beam splitter

OAM = −2 hologram

50:50 Beam splitter

Dove prism @ 90°

Dove prism @ 0°

50:50 Beam splitter

Two-photon, 3D OAM-entanglement source