Supplement to Optics & Photonics News, **7,** *No. 8*, 181 (1996).

Talk given on October 24, 1996 at the *OSA Annual Meeting—12th Interdisciplinary Laser Science Conference—Optics & Imaging in the Information Age, October 20–24, 1996*, Rochester, NY, U. S. A.

PRESELECTED LOOPHOLE-FREE BELL EXPERIMENTS

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Summary

A loophole-free four photon EPR experiment (with and without Bell inequalities) requiring only 67% detection efficiency, which preselects nonmaximal singlets, is proposed. The setup enables that coincidence counts reach 80% of singles counts even with low visibility.