

# Twin-beams Statistics for Strong Pumping

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Twin-beams generated by non degenerate optical parametric oscillators exhibit squeezing in the intensity difference. Here we report intensity noise correlation and single beam spectra for pump power up to 14 times the threshold value. The degree of correlation of the two beams is practically independent of pump level. The single beam spectra confirm presence of relaxation oscillation.

*Key words:* Quantum Noise; Twin Beams; Optical Parametric Oscillators.