## The 15th International Workshop on Tau Lepton Physics



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## Measurement of the branching fractions B(tau -> K npi0 nu), n=0,1,2,3, and B(tau -> pi npi0 nu), n=3,4

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We report the measurements of the branching fractions of the decay B(tau -> K npi0 nu), n=0,1,2,3, and B(tau -> pi npi0 nu), n=3,4 excluding the contributions that proceed through the decay of intermediate K0 and \eta mesons. The measurements are based on a data sample of 435 million tau pairs produced in e+e- collisions at and near the Y(4s) peak and collected with the BaBar detector in 1999–2008.

These measurements are substantial improvements of previous measurements and B(tau -> pi 4pi0 nu) is measured for the first time.

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Session Classification: Session