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## Inclusive electron spectrum from B-meson decays and determination of $|V_{ub}|$

*Wednesday, August 5, 2015 3:05 PM (20 minutes)*

The inclusive electron spectrum from B-meson decays is measured using a sample of 467 million  $B\bar{B}$  pairs recorded with the BABAR detector. Contributions from CKM-favored and CKM-suppressed semileptonic B decays, from secondary decays of charm hadrons and from continuum  $e^+e^- \rightarrow q\bar{q}$  annihilations are evaluated using a simultaneous fit to data collected at the  $Y(4S)$  resonance and at collision energies below the  $B\bar{B}$  production threshold. The partial branching fraction  $BF(B \rightarrow Xu l \nu, E_{\min}^*)$  is evaluated using four different models for the CKM-suppressed decays as a function of the minimum electron energy in the B rest frame, and corresponding values of  $|V_{ub}|$  are determined.

### Oral or Poster Presentation

Oral

**Primary author:** PORTER, Frank (Caltech)

**Presenter:** KOWALEWSKI, Bob (University of Victoria (CA))

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