Contribution ID: **151** Type: **Quark Flavor**

A search for baryon-number violation in B-meson decays to two baryons.

Searches for processes in which baryon number is violated by 2, as would be observed in neutron-antineutron oscillation, have so far come up empty. Many of these searches involve first-generation quarks leaving open the possibility that these processes preferentially couple to initial or final states involving second- and third-generation quarks. We present the results of a search for $B^+ \to p\,\Lambda$ decays, which violates baryon-number by 2. The analysis uses the full data set of about 430 fb^{-1} collected at the $\Upsilon(4\mathrm{S})$ resonance by the $BABAR$ experiment, at the e^+e^- collider PEP-II

Author: ANULLI, Fabio (Sapienza Universita e INFN, Roma I (IT))

Presenter: ANULLI, Fabio (Sapienza Universita e INFN, Roma I (IT))