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Study of baryon productions at Belle and BABAR

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Production of baryons in B decays, in $\Upsilon(nS)$ decays and in $e^+e^- \rightarrow q\bar{q}$ continuum processes can play a key role to improve our understanding of strong interaction and hadron dynamics. Moreover, inclusive anti-deuteron production rate from hadronization process can shed light in searching for dark matter annihilation in cosmic ray anti-deuterons. In this presentation, we report on recent results on baryon production and decays from the e^+e^- B-factory experiments, Belle and BABAR. In particular, we present new results in charmed and charmless baryonic decays of B mesons, inclusive anti-deuteron and hyperon productions in $\Upsilon(nS)$, χ_{bJ} and continuum processes, new spectroscopic results - mass, width, absolute branching fraction - in charmed baryon states, and double baryon production in bottomonium annihilations. We also present new results on $\eta_c \rightarrow \bar{p}\Lambda K^+ + (c.c.)$.

Summary

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