

Abstract Submitted
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Results on light quark fragmentation from Belle¹ ANSELM
VOSSEN, Duke University, BELLE COLLABORATION — Results on light quark
fragmentation from Belle The knowledge of parton fragmentation functions are im-
portant for our understanding of semi-inclusive hard scattering processes. Fragmentation
functions can be extracted from e+e- annihilation cross-section measurements
independently of the knowledge of parton distribution functions. Using record break-
ing luminosities delivered by KEKB, the Belle experiment at KEK in Japan recorded
about 1 ab^{-1} between 1999 and 2010, mostly at the $\Upsilon(4S)$ resonance. This contribu-
tion will show recent results on measurements related to light quark fragmentation
using Belle data and discuss prospects at Belle II.

¹DOE Office of Science

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