

Threshold resummation at subleading power

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We derive a threshold resummation formula at next-to-leading power employing the soft-collinear effective theory. The anomalous dimensions of subleading-power soft functions are calculated directly. As a result, we resum the leading logarithms near the kinematic threshold. Expansion of the resummed result leads to the leading logarithms at fixed orders, providing new results at the five-loop order and beyond.

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