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Soft-gluon resummation for high- p_T hadrons at COMPASS

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We consider the cross section for the photoproduction reaction $\gamma + p \rightarrow h + X$ in fixed-target scattering at COMPASS, where the hadron is produced at large transverse momentum. We investigate the role played by higher-order corrections to the cross section. In particular we address large logarithmic “threshold” corrections to the partonic cross sections, which we resum to all orders.

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