

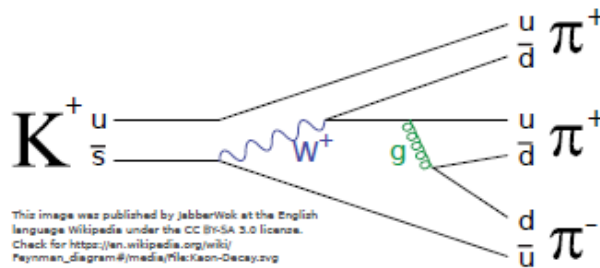
THESIS

BY

TIGRAN SAIDNIA

Emission kernel of parton shower

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Karlsruhe institute for Technology (KIT)

Institute of theoretical physics

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statement of originality

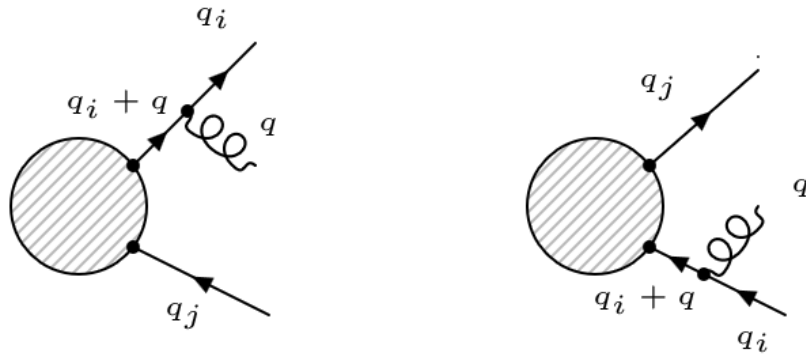
I hereby confirm that I have written the accompanying thesis by myself, without contributions from any sources other than those cited in the text and acknowledgements. This applies also to all graphics, drawings, maps and images included in the thesis.

Karlsruhe, 2. Januar 2019

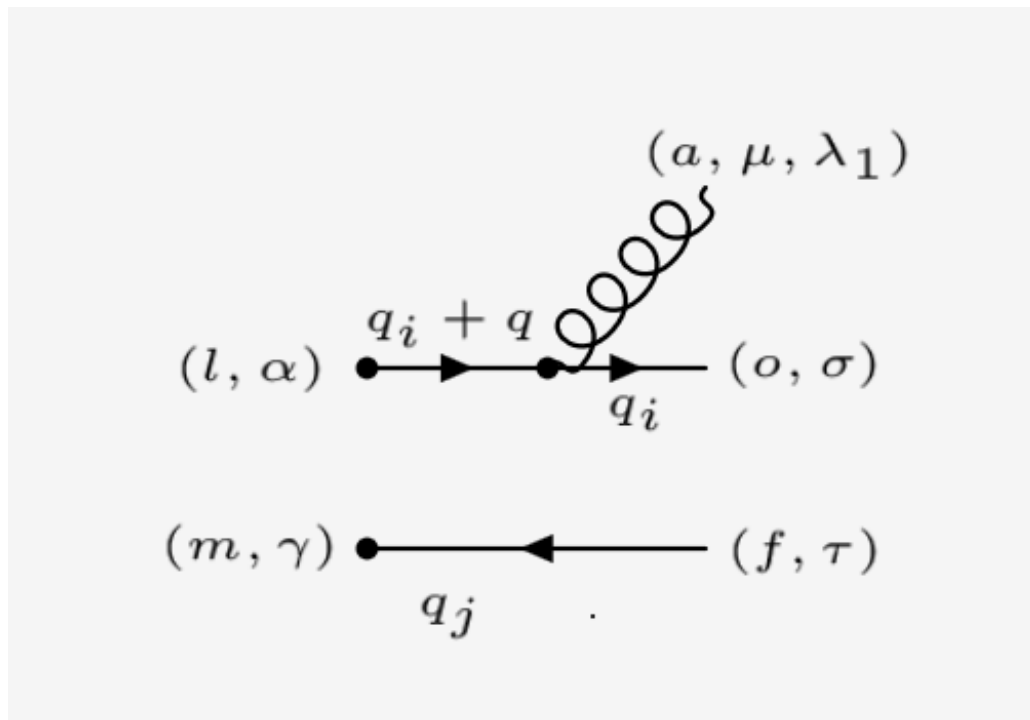
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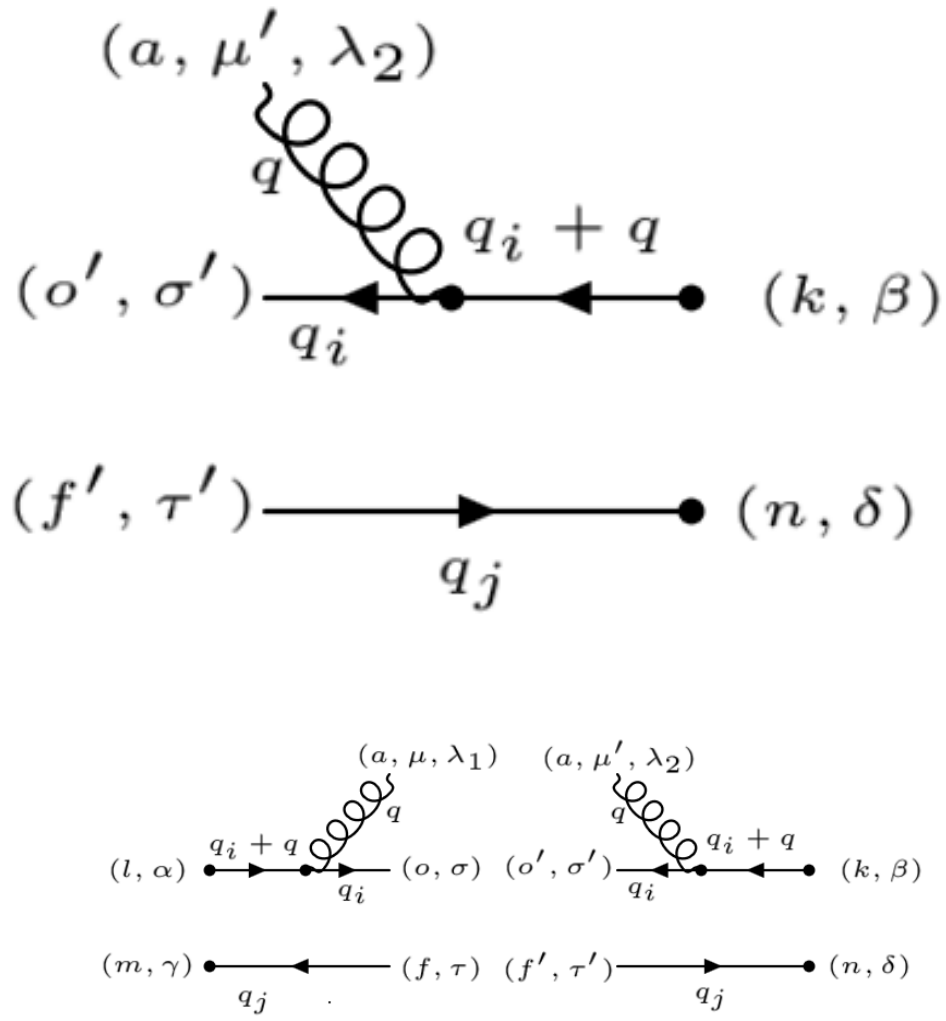


0.1 Quark/Antiquark gluon emission kernel

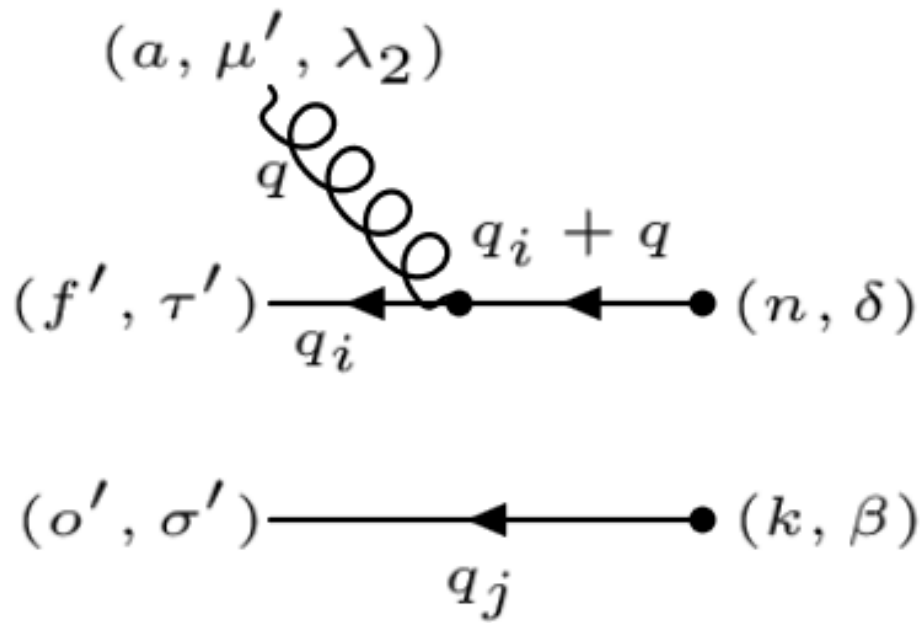
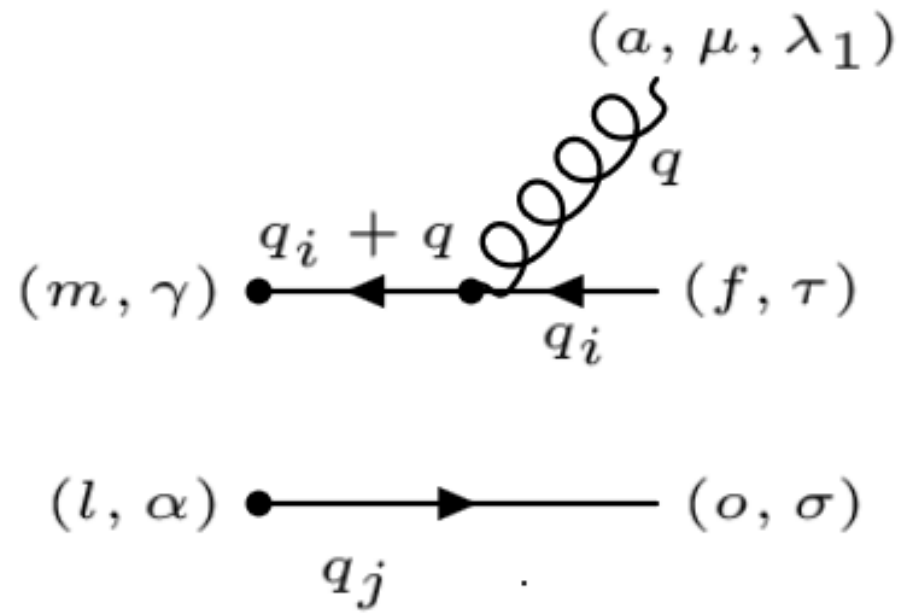


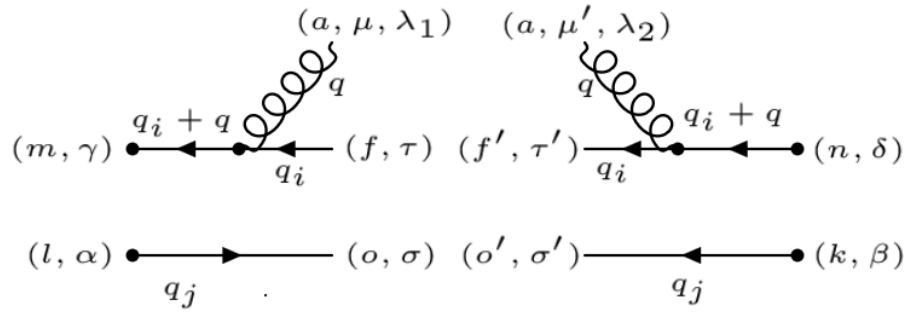
0.1.1 $qg\text{-}\bar{q}$



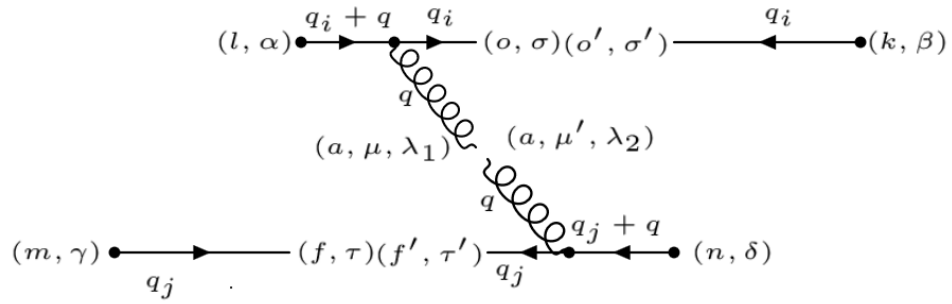


0.1.2 $\bar{q}g$ -q

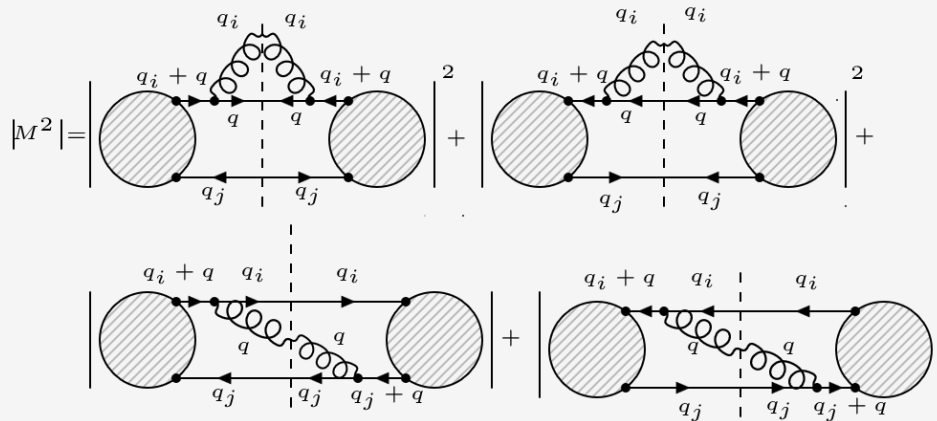


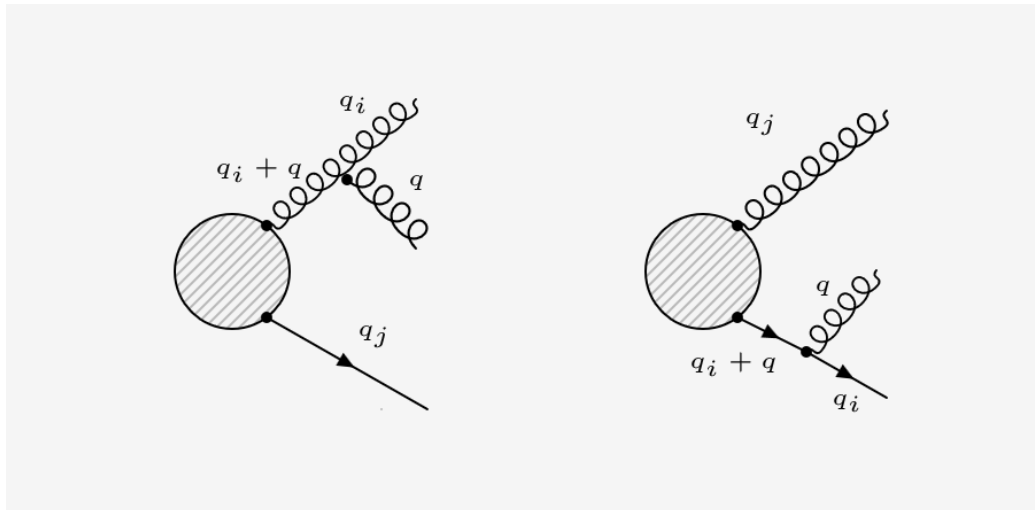
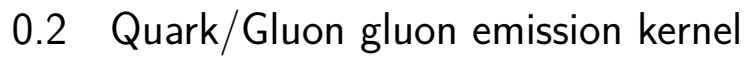


0.1.3 $M_1 M_2^\dagger$



0.1.4 $|M^2|$





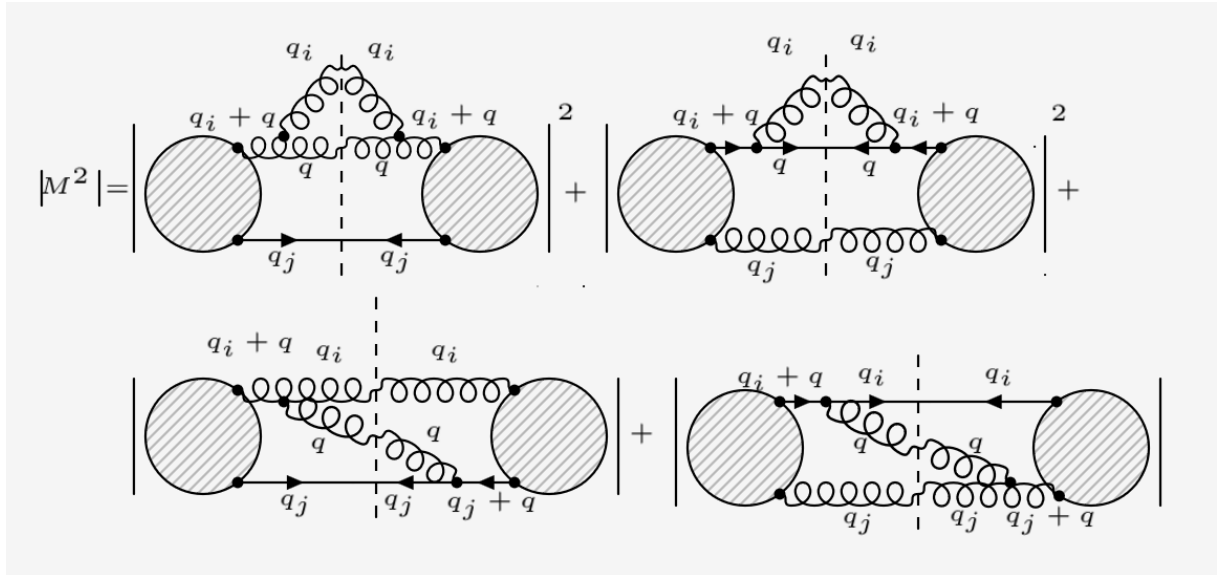


Abbildung 1: Die Landkarte.

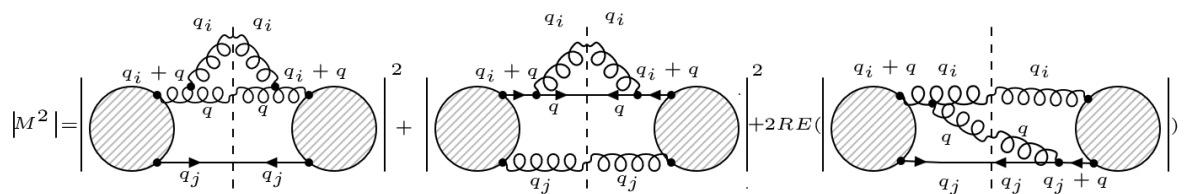


Abbildung 2: Die Landkarte.

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