

Soft

N_n

symmetric

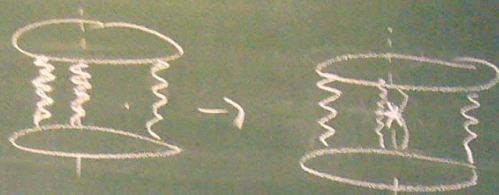
T_n



$$T_n^{(k)} = (-1)^{n+k} 2^{n-1} \frac{n!}{k!(n-k)!}$$

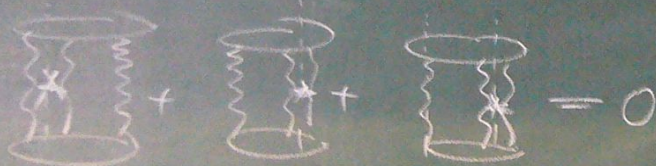
pQCD.

hard finite parts



(a) Single jet inclusive # section:

rescattering, causal:



Bardeen:



(b) 2-jet incl. # section:



rescattering graph

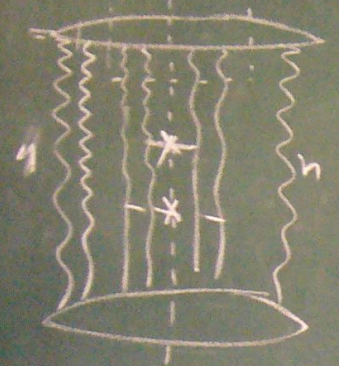


Mueller Morelet

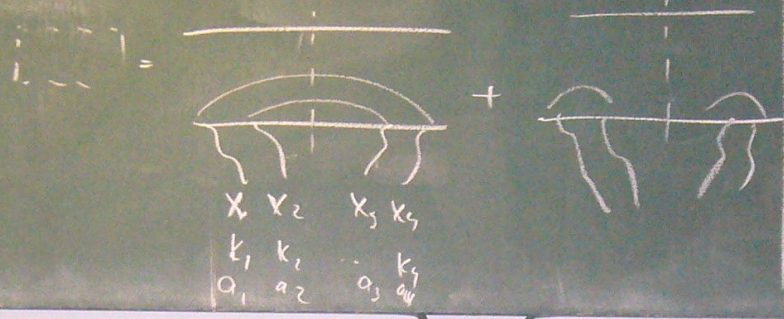
Mueller-Morelet (Tevatron)

Underlying exact

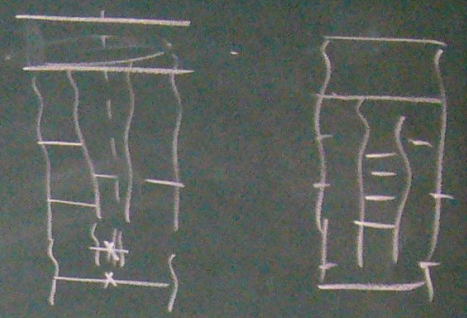
n exchanges, k "operand lines"
 $k=2$ $n-k$ insert



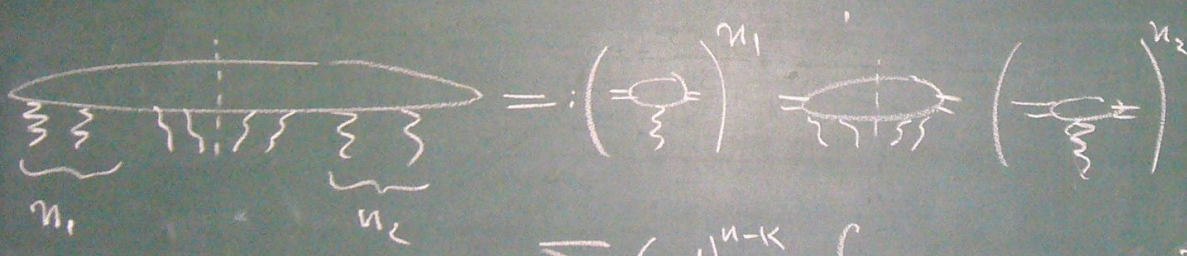
Symmetry (momentum, color)



Evolution before



Eikonal ansatz



$(n_1 + n_2 = n - 2)$

$$\sum_{n \geq k} \frac{(-1)^{n-k}}{k!(n-k)!} \int d^2b \left(\Omega_{\text{soft}}(s, b) \right)^{n-k} \Omega_{\text{hard}}(s, b, \dots)^k$$

$$= \int d^4b \frac{\Omega_{\text{hard}}(s, k)^k}{k!} e^{-\Omega_{\text{soft}}(s, b)}$$