## XIIth Quark Confinement and the Hadron Spectrum



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## The transverse momentum dependent distribution functions of partons. Status and prospects

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of the motion of partons inside nuclei. This has been achieved recognizing the role

of rapidity divergences in the factorization theorems for transverse momentum dependent cross sections (for Drell-Yan, Semi-inclusive DIS, ee-> 2 hadrons), using effective field theories, performing higher order calculations in perturbative QCD. This progress can provide us with a universal picture of QCD effects and a higher precision in current and future experiments. In this talk I try to resume the status of all this and discuss prospects.

## Summary

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