

# THE QCD PARTON MODEL: A USEFUL APPROXIMATION

E. DI SALVO

DIPARTIMENTO DI FISICA

UNIVERSITA' DI GENOVA

INFN - SEZ. DI GENOVA

QCD - N'06

VILLA MONDRAGONE, JUNE 13, 2006

## SUMMARY

1. THE CORRELATOR
2. DENSITY MATRIX IN QCDPM
3. RELATIONS AMONG "SOFT" FUNCTIONS
4. PHENOMENOLOGICAL ANALYSIS
5. CONCLUSION AND OUTLOOK