

DIFFRACTION 2008

International Workshop on Diffraction in High-Energy Physics

**La Londe-les-Maures
France**

September 9-14, 2008



organized by:

Université de la Méditerranée et IN2P3 (FRANCE)

DESY-Hamburg (GERMANY)

Università della Calabria (ITALY)

Temple University, Philadelphia (USA)

<http://www.cs.infn.it/diff2008/>

Conveners and Topics

MARTA RUSPA (ZEUS Collab.)

▷ Diffraction in ep collisions

- Inclusive DIS: total cross sections, structure functions, heavy flavors
- Inclusive diffraction and dijets in DIS
- Exclusive final states in diffractive DIS (vector mesons, DVCS, etc.)

ALESSANDRO BRAVAR (Univ. of Geneva)

▷ Forward physics in hadron-hadron collisions

- Diffraction at hadron colliders
- Results on central exclusive production at Tevatron
- Central exclusive production and forward physics projects at the LHC
- Gamma-p and gamma-gamma collisions at hadronic colliders
- Low-x Physics at LHC

RISTO ORAVA (Univ. of Helsinki)

- ▷ Prospects for QCD studies in the post-LHC era
- ▷ High-energy QCD and astrophysics
- ▷ Special topic: First results from LHC

ZEIN-EDDINE MEZIANI (Univ. of Temple)

ALEXEI PROKUDIN (INFN Torino)

- ▷ New results on spin physics (experiment)
- ▷ Spin and polarization physics (phenomenology)
- ▷ Prospects in spin physics (theory)

BORIS KOPELIOVICH (Univ. of Valparaiso)

- ▷ Diffraction in hadron-hadron collisions
 - Single and double diffraction
 - Central production in double Pomeron exchange
 - Diffractive Higgs production at Tevatron and LHC
 - Phenomenology of rescattering corrections and gap survival probability

WLODEK GURYN (BNL)

- ▷ Heavy ion collisions at RHIC
- ▷ Phenomenology of diffraction off nuclei
- ▷ QCD studies of nuclear collisions
- ▷ New physics via QCD processes at LHC

IGOR IVANOV (Univ. of Liegi)

▷ Diffraction in DIS

- Inclusive DIS, structure functions and partonic densities
- Inclusive diffractive DIS
- Vector meson production
- Generalized parton distributions
- DVCS
- Analyticity/duality models of inclusive/diffractive reactions; Pomeron trajectory

AGUSTIN SABIO VERA (CERN)

- ▷ Perturbative QCD and factorization issues
- ▷ Progress in AdS/QCD and related topics
- ▷ New results in the BFKL physics
- ▷ New results in the color dipole/kt-factorization approach

LARRY MCLERRAN (BNL)

- ▷ New results within the Color Glass Condensate approach
- ▷ Saturation and evolution
- ▷ Diffraction from non-perturbative QCD

International Advisory Committee

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If you wish to give a talk at the workshop, please contact the appropriate convener.

Address for correspondence to local organizing committee

DIFFRACTION 2008

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