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| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | 1. Proton structure. Proton structure measurements at high Q ₂ and large x / Katarzyna Wichmann. Electroweak physics at HERA / Joachim Meyer. Inclusive low Q ₂ measurements at HERA / Victor Lendermann. Resummed perturbative evolution at high energy / Richard Ball. Colour dipole phenomenology / Graham Shaw -- 2. Spin physics. Exclusive reactions at HERMES / Frank Ellinghaus. Transverse spin effects in single and double hadron electroproduction at HERMES / Benedikt Zihlmann. Present understanding of the nucleon spin structure in view of recent experiments / Andreas Metz -- 3. Production of Hadrons and Jets. Measurements of [symbol] and parton distribution functions using HERA jet data / Amanda Cooper-Sarkar. A new parton shower algorithm: shower evolution, matching at leading and next-to-leading order level / Zoltan Nagy. Jet production at HERA / Dan Traynor. Multi-jet production in lepton-proton scattering with next-to-leading order accuracy / Zoltan Trocsanyi. Dijet rates with symmetric [symbol] cuts / Andrea Banfi. QCD dynamics from forward hadron and jet measurements / Lidia Goerlich. Light-hadron electroproduction at next-to-leading order and implications / Bernd Kniehl. Particle production and fragmentation / David Saxon. Soft gluon logarithmic |

resummation and hadron mass effects in single hadron inclusive production / Simon Albino -- 4. Heavy-flavour production. Heavy-flavour photo- and electroproduction at NLO / Ingo Schienbein. Physics with charm quarks at HERA / John Loizides. Beauty production at HERA / Olaf Behnke. J/ψ photoproduction at next-to-leading order / Luminita Mihaila. J/ψ photoproduction at large z in soft collinear effective theory / Sean Fleming -- 5. Diffractive $e p$ Scattering. Exclusive and inclusive diffraction at HERA / Henri Kowalski. Diffractive production of vector mesons and the gluon at small x / Thomas Teubner. Inclusive diffraction / Laurent Favart. From factorization to its breaking in diffractive dijet production / Michael Klasen. Diffractive parton density functions / Graeme Watt -- 6. Beyond the standard model. Beyond the standard model at HERA: status and prospects / Emmanuelle Perez -- 7. Resonances and diquarks. New resonances in the hadronic final state at HERA / Katsuo Tokushuku. Hadron systematics and emergent diquarks / Frank Wilczek -- 8. Future projects. Importance of a measurement of α_s at HERA / Robert Thorne. Measurement of the longitudinal proton structure function at low x at HERA / Joel Feltesse. HERA and the LHC / Albert De Roeck -- List of participants.
