

HAMBURG DESY - DESY 73/1 (73,REC.FEB) 32 P.

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ON THE DYNAMICS OF MULTIPLE-REGGEON EXCHANGE CUTS.

CRAIGIE N S, DE LA TORRE A

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* PUBLISHED IN:

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* NUCL. PHYS. B55 (1973) 551-572.

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HAMBURG DESY - DESY 73/4 (73, REC.APR) 30 P.
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MEASUREMENT OF DELBRUECK SCATTERING AND OBSERVATION OF PHOTON SPLITTING
AT HIGH ENERGIES.

JARLSKOG G ET AL.

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* PUBLISHED IN:
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* PHYS. REV. D8 (1973) 3813-3823.
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HAMBURG DESY - DESY 73/5 (73, REC.APR) 93 P.

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MEASUREMENT OF PROTON AND NEUTRON ELECTROMAGNETIC FORM FACTORS AT
SQUARED FOUR-MOMENTUM TRANSFERS UP TO 3 (GEV/C)-SQUARED.

BARTEL W ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B58 (1973) 429-475.
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HAMBURG DESY - DESY 73/6 (73, REC.APR) 59 P.
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INFRARED SINGULARITIES AND SMALL-DISTANCE-BEHAVIOUR ANALYSIS.

SYMANZIK K, HAMBURG DESY

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* PUBLISHED IN:
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* COMMUN. MATH. PHYS. 34 (1973) 7-36.
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HAMBURG DESY - DESY 73/7 (73, REC. MAR) 33 P.
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DESCRIPTION AND PERFORMANCE OF AN INTERACTIVE BUBBLE CHAMBER ANALYSIS
SYSTEM USING AN HPD.

MUECK H J ET AL.

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* PUBLISHED IN:
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* NUCL. INSTR. METHODS 113 (1973) 267-284.
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HAMBURG DESY - DESY 73/8 (73,REC.MAR) 11 P.

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DOES RHO'(1650) CONTRIBUTE TO THE NUCLEON FORM FACTOR?

BELLANDI FILHO J, MEYER R F

*
* PUBLISHED IN:
*
* LETTERE NUOVO CIMENTO 7 (1973) 477-481.
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HAMBURG DESY - DESY 73/9 (REC. MAY 73) 28 P.

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ELECTROPRODUCTION OF PIONS WITH POLARIZED BEAMS AND POLARIZED TARGETS.

BARTL A, MAJEROTTO W

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* PUBLISHED IN:
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* NUCL. PHYS. B62 (1973) 267-285.
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HAMBURG DESY - DESY 73/11 (73,REC.MAY) 23 P.

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PREDICTIONS OF A QUARK-PARTON MODEL FOR E+ E- ANNIHILATION INTO HADRONS.

CRAIGIE N S ET AL.

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* PUBLISHED IN:
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* NUOVO CIMENTO 18A (1973) 188-204.
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HAMBURG DESY - DESY 73/12 (73, REC. MAY) 10 P.

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ISR RISING CROSS SECTION AND FINITE ENERGY EFFECTS IN THE POMERANCHUK
MECHANISM.

CRAIGIE N S, PREPARATA G

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* PUBLISHED IN:

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* PHYSICS LETTERS 45B (1973) 487-489.

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HAMBURG DESY - DESY 73/13 (73, REC. MAY) 39 P.

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HOW TO ANALYSE VECTOR-MESON PRODUCTION IN INELASTIC LEPTON SCATTERING.

SCHILLING K, WOLF G

*
* PUBLISHED IN:
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* NUCL. PHYS. B61 (1973) 381-413.
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HAMBURG DESY - DESY 73/14 (73, REC. MAY) 37 P.

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RENORMALIZATION AND DEEP INELASTIC LEPTON-NUCLEON SCATTERING.

GUTBROD F, SCHROEDER U E

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* PUBLISHED IN:

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* NUCL. PHYS. B62 (1973) 381-401.

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HAMBURG DESY - DESY 73/15 (73,REC.JUN) 27 P.

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ONE-PARTICLE AND TWO-PARTICLE INCLUSIVE DEEP-INELASTIC ELECTRON-POSITRON
ANNIHILATION IN A MASSIVE QUARK MODEL.

GATTO R ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B67 (1973) 362-380.
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HAMBURG DESY - DESY 73/16 (73,REC.JUN) 44 P.

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CMSR'S FOR SINGLE CHARGED PION PHOTOPRODUCTION AMPLITUDES AND THE ROLE
OF THE GAUGE INVARIANT BORN TERMS.

LOGOTHETIDOU A, HAMBURG UNIV

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* PUBLISHED IN:
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* NUCL. PHYS. B69 (1974) 562-592.
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HAMBURG DESY - DESY 73/17 (73,REC.JUN) 35 P.
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APPLICATION OF K-MATRIX CMSR'S TO SINGLE CHARGED PION PHOTOPRODUCTION.

LOGOTHETIDOU A, HAMBURG UNIV

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* PUBLISHED IN:
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* NUCL. PHYS. B69 (1974) 593-617.
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HAMBURG DESY - DESY 73/19 (73, REC.JUN) 68 P.
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MEASUREMENT OF THE REACTION GAMMA D --> PI- P P, AND DETERMINATION OF
CROSS SECTIONS FOR THE REACTION GAMMA N --> PI- P, AT PHOTON ENERGIES
BETWEEN 0.2 AND 2.0 GEV.

BENZ P ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B65 (1973) 158-209.
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HAMBURG DESY - DESY 73/20 (73, REC. JUN) 77 P.
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DYNAMICAL PROBLEMS OF THE RELATIVISTIC QUARK MODEL.

BOEHM M ET AL.

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* PUBLISHED IN:
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* IN *SCHLADMING 1973, PROCEEDINGS, RECENT DEVELOPMENTS IN
* MATHEMATICAL PHYSICS*, WIEN 1973, 3-116.
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HAMBURG DESY - DESY 73-21 (73, REC. MAY) 57 P.

GENERALIZED VECTOR DOMINANCE.

SCHILDKNACHT D

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* PUBLISHED IN:
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* IN *MERIBEL-LES-ALLUES 1973, PROCEEDINGS, EIGHT RENCONTRE DE
* MORIOND, VOL. I*, ORSAY 1974, 181-234.
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HAMBURG DESY - DESY 73/22 (73, REC. JAN 74) 39 P.
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CALCULATION OF THE CURRENT OF AN IONIZATION CHAMBER EXPOSED TO A PULSED
ELECTROMAGNETIC RADIATION FIELD AND COMPARISON WITH MEASUREMENTS.

DINTER H ET AL.

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* PUBLISHED IN:
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* NUCL. INSTR. METHODS 120 (1974) 113-119.
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HAMBURG DESY - DESY 73/23 (73, REC.AUG) 22 P.
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A1(1070) ELECTROPRODUCTION?

READ B J, HAMBURG DESY

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* PUBLISHED IN:
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* NUCL. PHYS. B64 (1973) 511-524.
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HAMBURG DESY - DESY 73/24 (73, REC. JUN) 14 P.

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PI+ ELECTROPRODUCTION ON HYDROGEN NEAR THRESHOLD AT FOUR-MOMENTUM TRANSFERS OF 0.2, 0.4 AND 0.6 GEV-SQUARED.

BRAUEL P ET AL.

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* PUBLISHED IN:
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* PHYSICS LETTERS 45B (1973) 389-393.
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HAMBURG DESY - DESY 73/25 (73, REC.AUG) 42 P.
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VECTOR MESON PRODUCTION BY AND COMPTON SCATTERING OF POLARIZED PHOTONS
OFF POLARIZED NUCLEONS.

FRAAS H, WUERZBURG UNIV

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* PUBLISHED IN:
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* NUCL. PHYS. B71 (1974) 314-341.
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HAMBURG DESY - DESY 73/26 (73, REC. AUG) 22 P.

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CHIRAL INVARIANCE AND LOW-ENERGY PION-PION SCATTERING.

LEHMANN H, HAMBURG UNIV

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* PUBLISHED IN:
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* IN *SCHLADMING 1973, PROCEEDINGS, RECENT DEVELOPMENTS IN
* MATHEMATICAL PHYSICS*, WIEN 1973, 139-166.
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HAMBURG DESY - DESY 73/28 (REC.JUL 73) 12 P.
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A REMARK ON THE PRECOCITY OF SCALING IN DEEP INELASTIC ELECTRON PROTON
SCATTERING.

GORCZYCA B ET AL.

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* PUBLISHED IN:
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* PHYSICS LETTERS 47B (1973) 71-74.
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HAMBURG DESY - DESY 73/29 (73,REC.AUG) 12 P.

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TARGET ASYMMETRY FOR NEUTRAL PI MESON PHOTOPRODUCTION ON POLARIZED PROTONS AT 4 GEV IN THE FORWARD DIRECTION.

BIENLEIN H ET AL.

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* PUBLISHED IN:
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* PHYSICS LETTERS 46B (1973) 131-134.
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HAMBURG DESY - DESY 73/32 (73, REC. AUG) 16 P.
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QUARK MODEL PREDICTIONS FOR ELECTROPRODUCTION OF $3/2^+$ ISOBARS.

GORCZYCA B, HAMBURG DESY

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* PUBLISHED IN:
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* ACTA PHYS. POLONICA B5 (1974) 569-577.
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HAMBURG DESY - DESY 73/33 (73, REC.NOV) 46 P.

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HADRON PRODUCTION IN VIRTUAL PHOTON-PHOTON ANNIHILATION.

KOEPP G ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B70 (1974) 461-485.
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HAMBURG DESY - DESY 73/34 (73, REC.OCT) 32 P.
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PARTON MODEL PREDICTIONS FOR TWO-PARTICLE CORRELATIONS IN E+ E-
ANNIHILATION.

WALSH T F ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B77 (1974) 494-508.
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HAMBURG DESY - DESY 73/35 (73,REC.SEP) 36 P.
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INCLUSIVE PHOTO- AND ELECTROPRODUCTION OF PIONS IN THE TRIPLE REGGE
REGION.

CRAIGIE N S ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B68 (1974) 509-531.
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HAMBURG DESY - DESY 73/36 (73, REC.OCT) 62 P.

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MULTIPLICITIES, TOPOLOGICAL CROSS SECTIONS, AND SINGLE PARTICLE
INCLUSIVE DISTRIBUTIONS FROM P P INTERACTIONS AT 12 AND 24 GEV/C.

BLOBEL V ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B69 (1974) 454-492.
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HAMBURG DESY - DESY 73/37 (73,REC.OCT) 14 P.

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INVESTIGATION OF THE REACTIONS P P --> P P MESON RESONANCE AT 12 AND 24
GEV/C.

BLOBEL V ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B69 (1974) 237-245.
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HAMBURG DESY - DESY 73/38 (73, REC.OCT) 13 P.
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T-CHANNEL SELECTION RULES FOR PION ELECTROPRODUCTION. (IN GERMAN)

KRAMER G, HAMBURG UNIV

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* PUBLISHED IN:
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* ACTA PHYS. AUSTRIACA 40 (1974) 150-157.
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HAMBURG DESY - DESY 73/39 (73, REC. SEP) 7 P.
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MASSLESS PHI-TO-THE-4 THEORY IN 4-EPSILON DIMENSIONS.

SYMANZIK K, HAMBURG DESY

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* PUBLISHED IN:
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* LETTERE NUOVO CIMENTO 8 (1973) 771-774.
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HAMBURG DESY - DESY 73/41 (73, REC.OCT) 28 P.
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BUBBLE GROWTH AND BUBBLE DENSITIES IN BUBBLE CHAMBERS FILLED WITH
NEON/HYDROGEN MIXTURES.

HORLITZ G ET AL.

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* PUBLISHED IN:
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* NUCL. INSTR. METHODS 117 (1974) 115-124.
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HAMBURG DESY - DESY 73/42 (73,REC.OCT) 26 P.

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RELATIVISTIC THREE-PARTICLE PROBLEM AND HEAVY QUARKS.

MEYER R F, HAMBURG DESY

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* PUBLISHED IN:
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* NUCL. PHYS. B71 (1974) 226-240.
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HAMBURG DESY - DESY 73/43 (73,REC.OCT) 15 P. (310101) AND

INCLUSIVE PHOTOPRODUCTION OF PI0 MESONS AT 6 GEV.

BERGER C ET AL.

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* PUBLISHED IN:
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* PHYSICS LETTERS 47B (1973) 377-380.
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HAMBURG DESY - DESY 73-44 (73, REC. NOV) 46 P.

ELECTROMAGNETIC INTERACTIONS.

TING S C C

* PUBLISHED IN:

* IN *ERICA 1973, PROCEEDINGS, LAWS OF HADRONIC MATTER*, NEW YORK
* 1975, 759-810.

HAMBURG DESY - DESY 73/45 (73, REC. DEC) 26 P.

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DIDO - A MOST VERSATILE PATTERN-UNIT WITH FAST DISCRIMINATOR INPUTS AND
CAMAC-/PERSEUS-OUTPUT FACILITIES.

QUEHL H ET AL.

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* PUBLISHED IN:
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* NUCL. INSTR. METHODS 120 (1974) 41-46.
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HAMBURG DESY - DESY 73/47 (73, REC. DEC) 33 P.
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INFORMATION CONTENT OF BEAM POLARIZATION IN $E^+ E^- \rightarrow$ MULTIHADRONS.

AVRAM N M ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B70 (1974) 272-296.
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HAMBURG DESY - DESY 73/48 (73,REC,DEC) 29 P.

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GAMMA GAMMA --> HADRONS - ASYMPTOTIC BEHAVIOR AND DEEP INELASTIC SCATTERING.

WALSH T F

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* PUBLISHED IN:
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* IN *PARIS 1973, PHOTON-PHOTON COLLISIONS IN ELECTRON-POSITRON
* STORAGE RINGS*, J. PHYSIQUE SUPPL. 3, C2-77 - C2-85.
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HAMBURG DESY - DESY 73/49 (73, REC. DEC) 75 P.
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PARTICLE PRODUCTION.

BRASSE F W, HAMBURG DESY

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* PUBLISHED IN:
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* IN *BONN 1973, PROCEEDINGS, SYMPOSIUM ON ELECTRON AND PHOTON
* INTERACTIONS*, AMSTERDAM 1974, 251-283.
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HAMBURG DESY - DESY 73/50 (73,REC.DEC) 26 P.
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THRESHOLD ELECTROPRODUCTION EXPERIMENTS AND THE AXIAL VECTOR FORM
FACTOR.

READ B J, HAMBURG DESY

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* PUBLISHED IN:
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* NUCL. PHYS. B74 (1974) 482-492.
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HAMBURG DESY - DESY 73/51 (73, REC. NOV) 11 P.
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OBSERVATION OF VECTOR MESON PRODUCTION IN INCLUSIVE P P REACTIONS.

BLOBEL V ET AL.

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* PUBLISHED IN:
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* PHYSICS LETTERS 48B (1974) 73-76.
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HAMBURG DESY - DESY 73/52 (73, REC.NOV) 13 P.
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DETERMINING THE K(S) --> 3PI AMPLITUDE IN ANTI-P P (OR E+ E-) --> K0
ANTI-K0.

DASS G V, HAMBURG DESY

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* PUBLISHED IN:
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* PHYSICS LETTERS 49B (1974) 181-184.
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HAMBURG DESY - DESY 73/53 (73, REC. NOV) 32 P.

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HIGHER ORDER PERTURBATION THEORY OF EXPONENTIAL LAGRANGIANS - FOURTH
ORDER.

POHLMAYER K ET AL.

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* PUBLISHED IN:
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* COMMUN. MATH. PHYS. 35 (1974) 321-346.
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HAMBURG DESY - DESY 73/55 (73,REC.FEB 74) 33 P.

EFFECTIVE RANGE EXPANSION FOR ELECTRON-NEUTRINO AND ELECTRON-
ANTINEUTRINO SCATTERING.

KRAMER G

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* PUBLISHED IN:
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* FORTSCHR. PHYSIK 22 (1974) 633-655.
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HAMBURG DESY - DESY 73/57 (73,REC.FEB 74) 24 P.

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PREPARATION FOR STORAGE RING EXPERIMENTS AT DESY.

WALOSCHEK P

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* PUBLISHED IN:
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* IN *PARIS 1973, PHOTON-PHOTON COLLISIONS IN ELECTRON-POSITRON
* STORAGE RINGS*, J. PHYSIQUE SUPPL. 3, C2-35 - C2-44.
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HAMBURG DESY - DESY 73/60 (73, REC. FEB 74) 12 P.
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ASYMMETRY IN PERIPHERAL PRODUCTION PROCESSES.

WEINER R M ET AL.

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* PUBLISHED IN:
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* PHYS. REV. LETTERS 32 (1974) 630-633.
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HAMBURG DESY - DESY 73/61 (73, REC. FEB 74) 41 P.
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INCLUSIVE PHOTOPRODUCTION OF PIONS, KAONS AND PROTONS AT 6 GEV.

BURFEINDT H ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B74 (1974) 189-210.
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HAMBURG DESY - DESY 73/62 (73, REC. FEB 74) 23 P.
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PRODUCT STATES FOR LOCAL ALGEBRAS.

BUCHHOLZ D, HAMBURG UNIV

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* PUBLISHED IN:
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* COMMUN. MATH. PHYS. 36 (1974) 287-304.
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HAMBURG DESY - DESY 73/63 (73, REC. FEB 74) 22 P.
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PROTOTYPE POLARIZED-ELECTRON SOURCE THROUGH ELECTRON-HYDROGEN SPIN
EXCHANGE WITH TEFLON CONTAINMENT OF HYDROGEN AND A LONGITUDINAL MAGNETIC
TRAP.

KRISCIOKAITIS R ET AL.

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* PUBLISHED IN:
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* NUCL. INSTR. METHODS 118 (1974) 157-163.
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HAMBURG DESY - DESY 73/64 (73, REC. JAN 74) 52 P.

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QUASI THREE BODY E+ E- ANNIHILATION.

HIRSHFELD A C ET AL.

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* PUBLISHED IN:
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* NUCL. PHYS. B74 (1974) 211-236.
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HAMBURG DESY - DESY 73/65 (73,REC.FEB 74) 21 P.

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CONTRIBUTIONS OF MULTIPHOTON EXCHANGE IN EP DEEP INELASTIC SCATTERING.

BARTELS J

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* PUBLISHED IN:
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* NUCL. PHYS. B82 (1974) 172-188.
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