

CONTENTS

SECTION I : CONFERENCE1 - p-p Collider

A. Leveque	"Production of Intermediate Vector Bosons at CERN proton-antiproton Collider".	3
D. Froidevaux F. Pastore	"Latest results from the UA2 experiment at the CERN pp Collider".	19
R. van Swol	"Results from the UA4 Collaboration".	53
K. Böckmann	"Recent results from the UA5 experiment".	67
W. Scott	"Angular distributions and structure functions from 2 jet events in UA1".	83
S. J. Brodsky	"Factorization and other novel effects in QCD".	93

2 - QCD and related problems

C.W. Fabjan	"Prompt photons from hadron collisions".	111
R.K. Ellis	"New developments in the Drell-Yan process".	123
J. Soffer	"Spin effects in high energy physics".	135
G. Preparata	"Partons vs. hadrons: a physical theory of fragmentation".	145

3 - e.w. processes and supersymmetry

R.J. Cashmore	"Electroweak effects in e^+e^- annihilation".	167
D. Nanopoulos	"How to look for supersymmetric particles".	195

4 - Heavy Flavours

D. Cords	"Recent results on e^+e^- annihilation from PETRA".	207
N.W. Reay	"Charm searches: status of the art".	223

X

P. Franzini	"The search for hidden beauty".	249
J.A. Jaros	"Properties of b-flavoured hadrons"	267

SECTION II : WORKSHOP

Ling-Lie Chau	"Phenomenology of quark mixing, the b lifetime, CP violation, etc.".	281
---------------	--	-----

1 - Cross sections and decays of charmed particles

J.S. Loos	"D* and D meson production in e ⁺ e ⁻ annihilation at 29 GeV".	293
D. Lüke	"D* production and charm quark fragmentation in high energy e ⁺ e ⁻ annihilation".	307
M.S. Witherell	"Charm photoproduction results from Fermilab E-516".	317
R. Cester	"Formation of charmonium states in antiproton-proton annihilation".	327
G. Zumerle	"D meson branching ratios and hadronic cross section".	337
P.R.S. Wright	"Some preliminary results from NA27".	343
H.J. Burckhart	"Charm search with a hyperon beam".	351

2 - Cross section and decays of beauty particles

J. Lee-Franzini	"Recent CUSB results on Upsilon spectroscopy and B physics".	357
J.W. DeWire	"B meson production and decay, CLEO results."	369
G. Conforto	"Study of T ⁺ radiative decays".	379
R. Waldi	"First results on T ⁺ spectroscopy".	387
A. Tilquin	"Upper limits on beauty meson production in π^- collisions at 280 GeV/c".	395

3 - Lifetime measurements

J.A. Jaros	"Charm and beauty lifetime measurements with the MARK II vertex detector".	405
I. Peruzzi	"Measurement of the b lifetime with MAC".	411
N.W. Reay	"Results from E531 on charm lifetimes".	419
E. Neugebauer	"A lifetime measurement of hadronically produced D meson using silicon microstrip detectors".	429
T. Bacon	"Photoproduction of charm at 20 GeV and charm decays".	435

4 - Triggers and selections

E. Meroni	"Use of active targets in the NAl experiment".	443
P. Coteus	"A fast charm-enhancement trigger for E-400".	451
T. Böhringer	"Active target trigger for charm search in NA32".	455
S. Sala	"A vertex detector to search for beauty".	459
V.P. Kenney	"Active targets using NaI and scintillating glass fibers".	465
D.M. Binnie	"Heavy flavours lifetime at DESY".	471
K. Niu	"New emulsion method used in B-search experiments (WA75-E653)".	475
B.G. Duff	"Triggering on 'Beauty'".	479
G.P. Yost	"Statistical analysis of lifetime determination in the presence of large errors".	483
S.D. Protopopescu	"Montecarlo studies of t quarks".	487