

PROPOSALS AND LETTERS OF INTENT RECEIVED UP TO
February 7th, 1979

CERN/SPSC/79-15
SPSC/G 23
February 7th, 1979

a) PROPOSALS

No.	Expt. Code	Labs.	Spokesman	Experiment	Apparatus	Remarks	References
P 1	WA 1	CERN-Dortmund-Heidelberg-Saclay	J. Steinberger	High-energy ν interactions	Magnetic muon spectrometer + hadronic shower detector	WANF; Approved by NPRC on 17.4.1974 as described in CERN/SPSC/74-38/M 25; H ₂ /D ₂ target and vertex localiser approved by NPRC on 3.12.1975	SPSC/P 73-1 SPSC/P 73-1/Add.1 SPSC/74-6/P 1/Add.2 SPSC/75-33/P 1/Add.3 SPSC/M 73-11 SPSC/74-20/M 17 SPSC/74-24/M 19 SPSC/74-26/M 21 SPSC/74-38/M 25 SPSC/74-53/M 30 SPSC/75-81/M 53 SPSC/76-91/M 65 SPSC/77-104/M 97 SPSC/78-7/M 105 SPSC/78-60/M 108 SPSC/78-108/M 134 SPSC/78-157/M 145
M97	WA 41	CERN-Dortmund-Heidelberg-Saclay	J. Steinberger	Beam dump run to check origin of trimuon and exceptional dimuon events	See above	Approved by RB on 17.11.1977 as WA 41	
P 2	WA 2	Bristol-Geneva-Heidelberg-Orsay-RHEL-Strasbourg	J.-M. Gaillard	1) Elastic scattering and production of strange particle resonances by diffractive excitation in Σ^+p and Σ^+p interactions between 75 and 150 GeV/c 2) Study of the leptonic decays $\Xi^- \rightarrow Ae^- \bar{\nu}$, $\Xi^- \rightarrow \Sigma^0 e^- \bar{\nu}$ and $\Sigma^+ \rightarrow Ae^+ \bar{\nu}$	Hyperon beam; MWPC (backward) + forward spectrometer	WA Study of leptonic decays approved by NPRC on 12.6.1974	SPSC/P 73-2 SPSC/74-32/P 2/Add.1 SPSC/I 73-11 SPSC/74-48/M 28 SPSC/77-114/M 102 SPSC/78-80/M 118

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No.	Expt. Code	Labs.	Spokesman	Experiment	Apparatus	Remarks	References
P 3		CERN-Hamburg-Karlsruhe-Oxford-RHEI-Westfield College	K. Winter	Study of inelastic ν interactions using a counter set-up	Target-calorimeter and air-cored muon spectrometer	MANF Not recommended by SPSC on 26.2.1975	SPSC/P 73-3 SPSC/74-8/P 3/Add.1 SPSC/75-7/P 3/Add.2 SPSC/I 73-23 SPSC/74-26/M 21 SPSC/74-40/M 26 SPSC/74-98/M 37 SPSC/75-11/M 44
P 4		Bari-Caen-CERN-Liverpool-Milan	B. French	<ol style="list-style-type: none"> 1) Dependence of high p_t events on the incident particle (π^-, K^+, p^+) 2) Composition of the events as a function of p_t and the nature of the high p_t particle on which one triggers 3) Occurrence of jet like correlations, suggestive of parton-parton scattering 4) Jet cross section, multiplicity, composition and mass distribution 5) Existence of massive objects such as e.g. heavy "fire-balls", resonances, charmed particles, etc. Negative beam at 150 GeV/c 	MWPC magnetic vertex detector and forward lever arm with C-counters and drift chambers	Not recommended by SPSC on 24.4.1974 for WA	SPSC/74-3/P 4 SPSC/74-46/P 4/Add.1 SPSC/I 73-50

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P 5	WA 5	Indiana University-Saclay	P. Borgeaud	Measurement in the 20-120 GeV/c range, of two-body and quasi two-body baryon exchange reactions for $ \mathbf{u} \leq 1$ (GeV/c) ² ; π^+ , K^+ and \bar{p} on unpolarized and polarized protons	Two spectrometers ("Mimosas" and "Goliath") with hodoscopes and MWPC vertex detector	Approved by NPRC on 17.7.1974 for backward scattering part with unpolarized protons. On common beam line with P 8 (H3). Withdrawn; Replaced by P 58 = WA 11	SPSC/74-10/P 5 SPSC/74-41/P 5/Add.1 SPSC/76-3/P 58 (BEC/74-24) (BEC/75-12)
P 6	NA 1	Frascati-Milan-Pisa-Rome	L. Foà	Measurement of η' lifetime; Search for an η_c signal; Spectroscopy of new heavy particles in hadronic channels with charged particles and photons	Forward magnetic spectrometer with 5 standard PS beam transport magnets. Vertex detector with MWPC inside magnet	EHN1 Forw. part without vertex magnet approved by NPRC on 12.3.1975	SPSC/74-15/P 6 SPSC/74-23/P 6/Add.1 SPSC/74-83/P 6/Add.2 SPSC/76-23/P 6/Add.3 SPSC/I 73-36 SPSC/75-20/M 47

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P 7	WA 3	Amsterdam-CERN-Cracow-MPI Munich-Oxford-RHEL	P. Weilhammer	Study of the quasi-two-body hadron reactions $\pi^- p \rightarrow (\pi^+ \pi^-) n$, $(K^+ K^-) n$, $(p \bar{p}) n$, $\pi^+ p \rightarrow (\pi^+ \pi^+) n$, $K^- p \rightarrow (K^- \pi^+) n$, $\pi^+ p \rightarrow (K^+ K^0) p$ and $K^- p \rightarrow (K^0 \pi^-) p$ over a wide kinematic range and at energies up to 80 GeV	Modified version of CERN-Munich spectrometer; beam target with 4π anticoincidence counters; forward spectrometer with MWPC, Čerenkov hodoscopes and trigger	Approved by NPRC on 12.6.1974, Downstream of P 9 in H1	SPSC/74-14/P 7 SPSC/77-29/P 7/Add.1 SPSC/I 73-47 SPSC/74-56/I 62 SPSC/74-55/M 31 SPSC/78-85/M 123
P 8	WA 6	CERN-Padova-Trieste-Vienna	G. Fidecaro	Measurement of polarization in pp and πp elastic scattering at large momentum transfer in 50-150 GeV/c range	Polarized target with magnet for recoil particle analysis by MWPC. Forward spectrometer with MWPC, threshold Čerenkov counter and hodoscope	WA (H1) Approved by NPRC on 4.9.1974, on common beam line (H3) with P 5	SPSC/74-17/P 8 SPSC/74-54/P 8/Add.1 SPSC/I 73-9 SPSC/76-4/M 54 (EEC/74-24) (EEC/75-12) SPSC/78-109/N 135

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P 9	WA 7	CERN-Copenhagen-Genova- LAPP (Annecy)- Univ. Coll. London-Oslo	V. Gracco	$\pi^-p \rightarrow \pi^-p$ and $pp \rightarrow pp$ would be measured in the angular range 20° to 90° cm with incident momenta 20, 40, 60 and 80 GeV/c. In the forward region one gets data on $K^-p \rightarrow K^-p$, $\bar{p}p \rightarrow \bar{p}p$ ($\rightarrow \pi^-\pi^+$ and K^-K^+)	AEG magnet (+ one C magnet at higher energies). MWPC + Cerenkov counter for forward particles. MWPC or drift chamber for recoil protons	WA (H1) Approved by NPRC on 4.9.1974. Upstream of P 7 in H1	SPSC/74-28/P 9 SPSC/74-49/P 9/Add.1 SPSC/74-61/P 9/Add.2 SPSC/76-13/I 80 SPSC/74-109/M 39 SPSC/74-110/M 40 SPSC/76-12/M 55 (PHYS III/74-47) SPSC/78-118/P 9/Add.3 SPSC/79-1/M 148 SPSC/79-9/M 152
P 10	WA 4	Bonn-CERN-Glasgow- Lancaster-Manchester- Orsay-Ecole Polytechnique (Palaiseau)- Paris VI-RHEL- Sheffield	F. Richard	Photoproduction and electroproduction of hadrons for incident particle energies from 10 to 60 GeV (charm search)	Omega with tagged photon beam	WA Approved by NPRC on 12.6.1974 for tagged photon particle. Charmed particle search approved by RB on 15.4.1976	SPSC/74-29/P 10 SPSC/76-17/P 10/Add.1 SPSC/76-87/M 64 SPSC/77-112/M 101 SPSC/I 73-8 (EEC/75-39) (EEC/75-43) SPSC/78-127/M 140

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P 11	WA 10	Geneva-Lausanne	N. Martin	Study of $K^+p \rightarrow K_S^0\pi^+p$ and reactions of similar topology with high statistics (Zweig's rule test, Charmed events).	Recoil proton detector with MWPC and scintillation counter. Forward arm without magnet with MWPC and γ -detector	WA Approved by NPRC on 12.3.1975	SPSC/74-31/P 11 SPSC/I 73-43 SPSC/74-114/M 41 SPSC/75-6/M 43 SPSC/76-25/M 56 SPSC/77-52/M 81 SPSC/77-103/M 103 SPSC/78-81/M 119
P 12	CERN-Orsay-Oxford	L. Dick	Spin-dependent effects in hadron-proton interactions: measurement of polarization in πp , Kp and pp elastic and inclusive scattering (or inelastic "diffractive" processes) between 25 and 100 GeV/c	Polarized target; recoil spectrometer with \bar{C} magnet, hodoscopes and Čerenkov counter with TOF; forward arm with hodoscopes	WA Not recommended by SPSC on 24.4.1974	SPSC/74-44/P 12 SPSC/75-9/P 40 SPSC/I 73-33 SPSC/74-111/I 66	

No.	Expt. Code	Labs.	Spokesman	Experiment	Apparatus	Remarks	References
P 13		Athens-Democritus- Liverpool-Vienna	H. Muirhead	To take 50,000 pictures at antiproton momenta of 25,50 and (hopefully) 100 GeV/c (i.e. 150,000 pictures). The aim is to test the feasibility of annihilation studies at high momenta and to examine inclusive and exclusive $\bar{p}p$ reactions, especially in relation to pp data at corresponding energies	BEBC	WA Merged with P 22 + P 47; See P 63	SPSC/74-60/P 13 SPSC/I 73-32
P 14		Brussels-CERN-Genova- Mons	J.B. Kinson	500,000 pictures exposure in 70 GeV/c K^+ separated beam, with external particle identifier (EPI). Systematic study of hadronic reactions	BEBC + EPI	WA Merged with P 17 + P 32 + P 56; See P 62	SPSC/74-47/P 14 SPSC/I 73-19 SPSC/I 73-21

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 15		Saclay	L. van Rossum	Measurement of polarization parameter or target asymmetry in inclusive πp and pp reactions at large transverse momentum. Momentum region from 50 to 150 GeV/c	Polarized target, analyzing magnet, forward- and side arm detectors. P.T. magnet and detectors of side arms from proposal P 8	EHN1 Not recommended by SPSC on 2.4.1975	SPSC/74-71/P 15 SPSC/I 73-9 SPSC/I 73-39 SPSC/74-25/M 20
P 16	WA 25	Amsterdam-Bologna-Padova-Pisa-Saclay-Turin	A.G. Tenner	N reactions in D_2 ; study of weak hadronic current with protons and neutrons separately. 1 Mpx	BEC (D ₂)	WANF WB with 400 GeV p's then NB; WB-part approved by RB on 26.8.1976	SPSC/74-72/P 16 SPSC/74-105/P 16/Add.1 SPSC/76-5/P 16/Add.2 SPSC/I 73-56 SPSC/74-9/I 56/Add.1 SPSC/77-93/M 92 SPSC/78-78/M 117

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P 17		Athens-Democritus-Liverpool-Nijmegen-Tel-Aviv	R.T. Van de Walle	400 k pictures with K^+ at 70 GeV/c. Study of charge multiplicities, topological cross sections, exclusive and inclusive reactions	BEBC (+ EPI)	WA Merged with P 14 + P 32 + P 56; See P 62	SPSC/74-73/P 17 SPSC/I 73-10 SPSC/74-75/M 35
P 18	NA 2	CERN-Daresbury-DESY-Freiburg-Kiel-Lancaster-LAPP(Annecy)-Liverpool-Oxford-Rutherford-Sheffield-Shrivenham-Turin-Wuppertal	H.E. Stier	Test of scale invariance in muon-nucleon scattering at large momentum transfer, followed by programme of muon physics	Forward spectrometer	NA (EHN2) Forward spectrometer part approved by NPRC on 12.3.1975	SPSC/74-78/P 18 SPSC/I 73-15 SPSC/I 73-15/Rev SPSC/75-62/M 51 SPSC/76-76/M 59 SPSC/78-112/M 138
P 18/ Add.1	NA 9	CERN-DESY-Freiburg-Kiel-Lancaster-LAPP-Munich-Liverpool-Orsay-Oxford-Rutherford-Sheffield-Shrivenham-Turin-Wuppertal	H.E. Stier	Study of Final states in deep inelastic lepton scattering	As P 18, with vertex detector	NA (EHN2) Approved by RB on 16.2.1978	SPSC/77-113/P 18/Add.1

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P 19	NA 4	CERN-Dubna-Munich-Saclay	C. Rubbia	Inclusive muon scattering on hydrogen and deuterium to the highest energies and four-momentum transfers available	H ₂ -target (50 m long) surrounded by magnetized iron torus	EHN2 Reduced version approved by NPRC on 7.5.1975	SPSC/74-79/P 19 SPSC/74-103/P 19/Add.1 SPSC/74-108/P19/Add.2 SPSC/74-120/P 19/Add.3 SPSC/74-120/P 19/Add.3 corr. SPSC/77-12/P 19/Add.4 SPSC/74-82/M 36 SPSC/77-40/M 78
P 20		Orsay	B. Dauteray	120 k pictures with π^+ at 110 GeV/c. 4-C physics; inclusive production of K^0 , A , \bar{A} , γ , π^0 etc.; correlations and cluster production in high multiplicity events	BEBC	WA Withdrawn	SPSC/74-80/P 20 SPSC/I 73-24 SPSC/I 73-25

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P 21	WA 8	Birmingham	J.D. Dowell	Study of rare meson system in K^+p collisions at 18 GeV/c and 32 GeV/c	Omega with RF separated beam	WA Approved by NPRC on 22.1.1975	SPSC/74-84/P 21 SPSC/74-50/I 61
P 22		Brussels-Mons	J. Lemonne	2 x 200 k pictures (1) and (2) with \bar{p} at 70 GeV/c. Study of multiparticle final states and properties of annihilation reactions.	BEBC + EPI (1) BEBC + TST + EPI (2)	WA Merged with P 13 + P 47; See P 63 and P 68/Add.1	SPSC/74-87/P 22 SPSC/I 73-19

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P 23	WA 19	Aachen-Bonn-CERN-Oxford	D.C. Cundy	Total and differential cross sections of ν and $\bar{\nu}$ on Neon; neutral currents. 250 kpx	BEBC (Ne) + EMI	WANF (NB) Approved by RB on 26.8.1976	SPSC/74-88/P 23 SPSC/I 73-12 SPSC/75-66/M 52 SPSC/76-84/M 61 SPSC/77-92/M 91
P 24	NA 3	CERN-Collège de France-Ecole Polytechnique (Palaiseau)-Orsay-Saclay	A. Michelini	Hadronic production of high-pt leptons and hadrons	Forward spectrometer e- γ detectors, hadron calorimeter	EHN1 Approved by NERC on 12.3.1975	SPSC/74-90/P 24 SPSC/77-4/M 71 SPSC/77-57/M 83

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P 25	WA 21	Aachen-Bonn-CERN-MPI Munich-Oxford	G. Myatt	ν and $\bar{\nu}$ interactions in hydrogen. 500 kpx	BEBC (H ₂) + EMI	WANF (WB) Approved by RB on 26.8.1976	SPSC/74-91/P 25 SPSC/I 73-28 SPSC/I 73-40 SPSC/75-66/M 52 SPSC/76-111/M 69 SPSC/77-94/M 93 SPSC/78-143/M 143
P 26	WA 9	Clermont-Ferrand- Leningrad-Lyon- Uppsala	T. Ekelöf	High precision study of elastic scattering in Coulomb interference region	Ionisation chamber recoil spectro- meter; forw. magnetic spectro- meter	WA Approved by NPRC on 22.1.1975 for minimum programme	SPSC/74-94/P 26 SPSC/75-34/P 26/Add.1 SPSC/77-87/P 90 SPSC/74-56/I 62 SPSC/74-55/M 31

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P 27		CERN-Imperial College-Oxford	B. G. Pope	Production of muons and muon pairs in hadronic interactions	Tungsten beam dump; iron shield; spectrometer with toroidal magnets	EHNI	SPSC/74-96/P 27 SPSC/I 73-3 SPSC/I 73-34
P 28		Pavia-Torino	G. Rinaudo	pp-interactions below 100 GeV/c (2 x 50 kpx)	BEBC	WA	SPSC/74-104/P 28 SPSC/76-18/P 28/Add.1

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P 29		Bari-CERN-Liverpool-Milan	B. French	Detailed study of hadronic interactions producing high- p_T particles	Vertex detector; forward lever arm	EHNI SPSC decision deferred on 26.2.75	SPSC/74-112/P 29 (D.Ph.II/TEC 74-1) (D.Ph.II/PHYS 75-1)
P 30 + P 33	WA 24	Bari-Birmingham-Brussels-Ecole Polytechnique (Palaiseau)-Univ. Coll. London-RHEL-Saclay	W. Venus	ν and $\bar{\nu}$ interactions in hydrogen filled track sensitive target, 500 kpx	BEBC + TST + EMI	WANF (WB) Approved by RB on 26.8.1976	SPSC/74-116/P 30 SPSC/75-63/P 30/Add.1 SPSC/75-64/P 30/Add.2 SPSC/76-56/P 30/Add.3 SPSC/76-57/P 30/Add.4 SPSC/76-72/P 30/Add.5 SPSC/76-72/P 33/Add.3 SPSC/74-119/P 33 SPSC/I 73-13 SPSC/77-19/M 74 SPSC/78-65/M 110

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P 31 P ⁺ 46	WA 14	Bari-CERN-Ecole Polytechnique (Palaiseau)- Milan-Orsay	A. Pullia	Leptonic processes, dilepton events, ν_e interactions on nucleons and coherent production of vector mesons induced by ν	GGM + EMI	WANF (WB) Approved by RB on 8.7.1976	SPSC/74-117/P 31 SPSC/75-27/P 46 SPSC/75-74/P 31/Add.1 /P 46/Add.2 SPSC/76-9/P 31/Add.2 /P 46/Add.3 SPSC/75-72/P 46/Add.1 SPSC/76-45/P 46/Add.4 /P 52/Add.1 SPSC/76-103/P 46/Add.5 /P 53/Add.1 SPSC/I 73-6 SPSC/I 73-44 SPSC/77-107/M 99 SPSC/77-120/M 104 SPSC/78-73/M 115 SPSC/78-90/M 127
P 32		LPNHE Paris	M. Baubillier J. Laberrigue	K^{\pm} p- interactions at 70 GeV/c. 600 kpx	BEBC + EPI	WA Merged with P 14 + P 17 + P 56; See P 62	SPSC/74-118/P 32 SPSC/I 73-14

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P 33		Ecole Polytechnique (Palaiseau)-Saclay	P. Petiau	Search for charmed particles; study of neutral current channels with ν and $\bar{\nu}$. 500 kpx	BEBC + TST	WANF (WB) See also P 30	SPSC/74-119/P 33 SPSC/75-42/P 33/Add.1 SPSC/76-36/P 33/Add.2 SPSC/76-72/P 33/Add.3 SPSC/I 73-26 SPSC/I 73-51 SPSC/77-19/M 74
P 34 + P 39	WA 15	Aachen-Berger-Brussels- Univ. College London- Strasbourg	J. Morfin	Study of purely leptonic and other rare ν interactions	GEM + EMI	WANF (WB) Approved by RB on 8.7.1976	SPSC/74-122/P 34 SPSC/75-5/P 39 SPSC/75-73/P 34/Add.1 SPSC/I 73-5 SPSC/I 73-17 SPSC/I 73-20 SPSC/74-2/I 59 SPSC/78-73/M 115

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P 35		Aachen-CERN-Oxford	K. Schultze	ν - interactions with protons and neutrons 500 kpx	BEBC (D ₂) + EMI	WANF (NB)	SPSC/74-123/P 35 SPSC/75-66/M 52
P 36		Aachen-Bari-Brussels- CERN-Univ. College London	W. Van Dominck	Detailed study of muonless events induced by ν interactions on protons and neutrons. 500 kpx	BEBC (H ₂ + Ne) + TST (D ₂) + EMI	WANF (NB)	SPSC/74-126/P 36 SPSC/I 73-13

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P 37	NA 5	Bari-Cracow-Liverpool-Munich-Nijmegen	P. Seyboth	Search for "charmed" mesons and baryons	Vertex detector magnet with streamer chamber; downstream lever arm with streamer chamber, trigger spectrometer	EHNI Approved by NPRC on 4.6.1975	SPSC/75-1/P 37 SPSC/75-38/P 37/Add.1 SPSC/76-62/P 37/Add.2 SPSC/77-50/P 37/Add.3 SPSC/74-86/I 65 SPSC/77-18/M 73 SPSC/77-80/M 87
P 38	WA 26	Glasgow-Paris VI-Rutherford-Saclay	R. Barloutaud	\bar{K}^0 p interactions in BEBC at 45 and 70 GeV/c. 400 kpx	BEBC + EPI	WA Approved by RB on 26.8.1976	SPSC/75-2/P 38 SPSC/I 73-18 SPSC/78-83/M 121

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P 39		Aachen	J. Morfin	Purely leptonic and other rare $\bar{\nu}$ interactions in propane-freon mixture. 600 kpx	GCM	WANF See also P 34	SPSC/75-5/P 39 SPSC/75-73/P 39/Add.1 SPSC/74-2/I 59
P 40		CERN-IPN Orsay- Oxford	L. Dick	Spin effect and differential cross sections in elastic hadron-hadron scattering	Solenoid spectrometer; polarized proton target; position sensitive scintillation counters forward	EHN1 Not recommended by SPSC on 2.4.1975	SPSC/75-9/P 40 SPSC/74-44/P 12 SPSC/I 73-33 SPSC/74-111/I 66

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	Reference
P 41		Cambridge-Michigan State	J.G. Rushbrooke	$\bar{p}p$ annihilation at 150 GeV/c	RCBC; downstream particle identification	EHN1	SPSC/75-13/P 41
P 42		CERN-Heidelberg-Orsay-Oxford-Rutgers-Stockholm	L. Montanet	Study of multihadron events involving identified particles	RCBC, ISIS, Cerenkov and downstream spectrometer	EHN1 Part A approved by RB on 24.6.1976 Part B approved by RB on 14.12.1978	SPSC/75-15/P 42 SPSC/75-22/P 42/Add.1 SPSC/76-43/P 42/Add.2/Rev. SPSC/77-44/P 42/Add.3 SPSC/77-74/P 42/Add.4 SPSC/75-40/I 68 SPSC/75-21/M 48 SPSC/75-30/M 49 SPSC/74-45/T 14 SPSC/74-95/T 14/Add.1 SPSC/78-91/P 42/Add.5

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	Reference
P 43		Brussels-MIT-Padova-Strasbourg	A. Fridman	$\bar{p}p$ interactions at 50, 100, 150 and 200 GeV/c	RCBC with secondary particle identification	EHNI	SPSC/75-16/P 43 SPSC/74-127/I 67
P 44		CERN-MIT-Nijmegen	E.W. Kittel	Study of K^+p interactions at 250 - 300 GeV/c	RCBC with downstream spectrometer and particle identification	EHNI	SPSC/75-18/P 44

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 45		Florence-Genova-Padova- LPNHE Paris-Paris VII- Rome-Trieste	D. Zanello	External γ -ray detector for BEBC with IST	γ - detector	WA	SPSC/75-24/P 45 SPSC/75-60/P 45/Add.1 SPSC/I 73-35
P 46		Bergen-Ecole Poly- technique (Palaiseau)	M. Haguenaer	Study of ν induced rare events and of neutral current interactions	CGM; NB beam with 140 GeV parents	WANF See also P 31, P46/Ad.5/P53/Ad.1 approved by RB on 10.3.77: WA36.	SPSC/75-27/P 46 SPSC/75-72/P 46/Add.1 SPSC/75-74/P 46/Add.2 /P 31/Add.1 SPSC/76-9/P 46/Add.3 /P 31/Add.2 SPSC/76-45/P 46/Add.4 /P 52/Add.1 SPSC/76-103/P 46/Add.5 /P 53/Add.1

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P 47		Helsinki-Stockholm	C. Ekspong	Study of \bar{p} , p interactions at 70 GeV/c	BEBC	WA See P 63 and P 68/Add.1	SPSC/75-49/P 47 SPSC/I 73-57
P 48		Bonn-Imperial College London-MPI Munich- Serpukhov	R. Hartmann	Study of $\bar{\nu}$ and ν interactions at highest available SPS energies	BEBC (Ne + H ₂) with D ₂ -TST; WB beam	WANE	SPSC/75-50/P 48 SPSC/75-78/P 48/Add.1

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P 49	WA 18	Amsterdam-CERN- Hamburg-Moscow (ITEP)- Rome	K. Winter	High energy ν and $\bar{\nu}$ interactions	Target calorimeter surrounded by magnetized iron	WANF; Study of semi-leptonic n.c. processes and of μ^+ polarization approved by RB on 8.7.1976	SPSC/75-59/P 49 SPSC/76-51/P 49/Add.1 SPSC/77-45/P 49/Add.2 SPSC/74-1/I 58 SPSC/76-114/M 70 SPSC/78-72/M 114 SPSC/78-111/M 137
P 50		Turin	C. Franzinetti	γ - ray detector in BEBC for ν experiments	BEBC + metal plates or Neon bag	WANF	SPSC/75-61/P 50

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 51	WA 20	Aachen-Bonn-CERN- I.C. London-Oxford- Saclay	G. Myatt	Beam dump test in BEBC Ne + H ₂ experiments	BEBC (Ne + H ₂)	WANT Approved by RB on 26.8.1976 See P 106	SPSC/75-65/P 51 SPSC/77-105/M 98
P 52	WA 23	CERN-Milan-Orsay	Ph. Heusse	Study of neutral current interactions with ν and $\bar{\nu}$ dichromatic beams	GGM; NB beam with 60 GeV parents	WANT; v- part approved by RB on 26.8.1976	SPSC/75-69/P 52 SPSC/76-45/P 52/Add.1 SPSC/I 73-53 SPSC/78-86/M 124

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 53	WA 16	Amnecy (LAPP)-CERN- Ecole Poly. (Palaiseau) Strasbourg	B. Aubert	Exploratory experiment at very high ν energy	GGM; NB beam	WANF Approved by RB on 8.7.1976	SPSC/75-71/P 53 SPSC/I 73-30 SPSC/I 73-53
P53Ad.1 + P46Ad.5	WA 36	Bergen-CERN-Ecole Polytechnique (Palaiseau)-Orsay	F. Jacquet	Extension of the narrow band beam experiment with Gargamelle to $\bar{\nu}$ running at high energy with the use of a trigger	GGM; NB beam	WANF Approved by RB on 10.3.1977	SPSC/76-103/P 53/Add.1 /P 46/Add.5 SPSC/77-22/M 75
P 54		Turin	C. Franzinetti	ν interactions in iron with narrow band beams from π 's and K's of 60, 140 and 275 GeV/c	GGM; NB beam	WANF	SPSC/75-77/P 54

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 55		Turin	C. Franzinetti	Experiment in dichromatic ν^- beam	GGM; NB beam with 140 GeV parents	WANF	SPSC/75-80/P 55
P 56		Serpukhov	P.V. Chliapnikov V.A. Yarba	Study of K^+p and K^-p interactions at 70 GeV/c (2 x 300 kpx)	BEFC + EPI	WA; Merged with P 14 + P 17 + P 32. See P 62	SPSC/75-84/P 56 SPSC/75-53/I 71

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 57	WA 28	Aachen-Berlin-CERN-Cracow-I.C. London-Vienna-Warsaw	K.W.J. Barnham	$K^+ p$ interactions at highest available momentum (~ 110 GeV/c) (300 kpx)	BEBC (+ EPI)	WA Approved by RB on 26.8.1976	SPSC/75-86/P 57 SPSC/76-26/P 57/Add.1 SPSC/78-84/M 122
P 58	WA 11	Imp. Coll. London-Indiana Univ.-Saclay	P. Borgeaud	Search of multiparticle decays of high mass states produced with the Ψ (3.1 GeV)	Vertex spectrometer (Goliath); two pairs of fwd. spectrometer arms. Scintillator hodoscope; muon detector	WA Approved by RB on 19.2.1976 on common beam line with WA 6 (H3)	SPSC/76-3/P 58 SPSC/76-65/P 75 SPSC/76-82/M 60 SPSC/76-86/M 63 SPSC/78-87/M 125 SPSC/79-8/M 151

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 59	Mons	F. Grard		Study of strange meson production and of reactions with high p_T in $\bar{p}p$ and η^-p interactions at 100 GeV/c	RCBC (Hybrid system)	EHL	SPSC/76-8/P 59 SPSC/77-5/P 59/Add.1
P 60	Cambridge-I.C. London	T.C. Bacon		Study of high energy $K_L^0 p$ interactions (100 kpx + 100 kpx)	BEBC	WA	SPSC/76-11/P 60

No.	Expt. Code	Labs.	Spokesman	Experiment	Apparatus	Ermarks	References
P 61	WA 12	Bonn-Birmingham-CERN- Ecole Polytechnique (Palaiseau)-MPI Munich Neuchâtel-Rutherford	J. Dowell	Beam dump experiment in Omega	Omega	WA First phase approved by RB on 24.6.1976	SPSC/76-14/P 61 SPSC/76-85/M 62 SPSC/77-13/M 72
P 62	WA 27	Brussels-CERN-Genova- Mons-Nijmegen- Serpukhov-Tel-Aviv	R.T. Van de Walle	Study of 70 GeV/c K^+p interactions	BEBC + EPI	WA Approved by RB on 26.8.1976	SPSC/76-15/P 62 SPSC/77-27/M 76

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 63		Brussels-Helsinki- Liverpool-Mons- Stockholm	N. Yamdagni	Study of $\bar{p}p$ interactions at 70 GeV/c	BEBC	WA See P 68/Add.1	SPSC/76-16/P 63
P 64	WA 30	Bologna-Glasgow- RHEI-Saclay-Torino	G. Kalmus	Investigation of direct electron produc- tion in hadron interactions	BEBC + TST (+EMI)	WA Approved by RB on 21.10.1976	SPSC/76-19/P 64 SPSC/76-59/P 64/Add.1 SPSC/76-7/I 79 SPSC/77-89/M 89

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 65	WA 31	Brussels-Helsinki- Liverpool-Mons- Stockholm	J. Lemonne	Study of prompt lepton production in $\bar{p}p$ interactions at 70 GeV/c	BEBC + TST	WA Approved by RB on 21.10.1976	SPSC/76-20/P 65
P 66	WA 37	Aachen-CERN-Glasgow- Liverpool	I.S. Hughes	Search for new bosons and charmed states in $\bar{p}p$ interactions in 4.1 GeV c.m. energy region	Omega	WA P66/Add.2 approved by RB on 14.4.77 Withdrawn by RB on 22.9.1977, re- placed by WA40/P89	SPSC/76-24/P 66 SPSC/76-54/P 66/Add.1 SPSC/76-60/P 66 Rev. SPSC/77-23/P 66/Add.2 SPSC/76-46/T 16

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 67	MA 13	CERN-Collège de France Neuchâtel	P. Sonderegger	Hadronic two-body reactions at large p_T	Omega	WA \bar{p} -run approved by RB on 8.7.1976	SPSC/76-30/P 67
P 68	Cambridge-Michigan State	J.G. Rushbrooke	Production of neutral particles in $\bar{p}p$ interactions at 150 GeV/c	BEBC	WA	SPSC/76-34/P 68 SPSC/77-97/P 68/Add.1	

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 69	WA 29	Liverpool	J.R. Fry	Study of \bar{p} annihilation mechanism in 4π and 6π final states at 15 GeV/c	Omega	WA Approved by RB on 26.8.1976	SPSC/76-35/P 69 SPSC/76-27/I 81
P 70	WA 17	Ankara-Brussels-CERN- Dublin-U.C. London- Pisa-Rome-Turin	M. Conversi	Investigation of di-muon events and search of "new particles" in ν interactions	BEBC + Emulsion + EMI	WANF Approved by RB on 8.7.1976	SPSC/76-41/P 70 SPSC/77-51/M 80

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 71	WA 32	I.C. London	T.C. Bacon	Direct photon production in pp-collisions	BEBC (H ₂ +Ne)	WA Approved by RB on 21.10.1976	SPSC/76-50/P 71 SPSC/76-48/I 84
P 72	WA 22	I.C. London-Saclay	B. Tallini	Comparison of n.c. and c.c. reactions induced by ν_{π} and ν_K	BEBC (H ₂ +Ne) + EMI	WANF (NB) Approved by RB on 26.8.1976	SPSC/76-52/P 72 SPSC/76-47/I 83 SPSC/76-84/M 61 SPSC/77-92/M 91

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 73	WA 33	Annecy (LAPP)-Bologna-Saclay	A. Muller	Systematic search of long-lived heavy particles in the SI-beam	✓ Cerenkov-counters and MWPC in SI beam	WA Approved by RB on 25.11.1976	SPSC/76-55/P 73 SPSC/77-75/M 86 SPSC/79-6/M 150
P 74		Pavia-Tel-Aviv-Torino	G. Rinaudo	Direct electron production from pp collisions at 70 GeV	BEBC + IST	WA	SPSC/76-61/P 74

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
75		I.C. London-Southampton	A. Duane	Addition of electromagnetic shower detector behind WA 11 apparatus	Forward shower detector and low momentum particle counter	WA See P 58. Approved by RB on 21.10.1976	SPSC/76-65/P 75 SPSC/76-3/P 58 SPSC/76-82/M 60
76	NA 6	Freiburg-IIEP Moscow-Karlsruhe	K. Runge	Neutron elastic scattering at small angles	H ₂ gas target + MMPC, n-vertex detector, calorimeter	EHN1 Approved by RB on 20.1.1977	SPSC/76-74/P 76 SPSC/75-47/I 69 SPSC/76-100/M 67

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 77		Padova	M. Baldo-Ceolin	Search for neutrino oscillations	BEBC (Ne)	WA Not recommended by SPSC on 27.1.1977	SPSC/76-92/P 77
P 78	WA 34	Bologna-CERN-Florence- Genova-Paris VI- Santander-Valencia and see Coll WA 4	G. Diambri- Palazzi	Study of charmed particles photo produced in emulsion plates tagged by the Ω triggers	Emulsion plates + Omega	WA Approved by RB on 20.1.1977	SPSC/76-96/P 78 SPSC/76-101/P 78/Add.1 SPSC/76-113/P 78/Add.2 SPSC/77-108/M 100

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 79	WA 35	Heidelberg-Virginia-Warsaw	M.A. Faessler	Measurement of multiplicity correlations of p and π in hadron-nucleus collisions below 100 GeV	Scintillator/ Čerenkov counter set-up + fwd. hodoscope	WA Approved by RB on 10.3.1977	SPSC/76-102/P 79 SPSC/77-9/P 79/Add.1
P 80		Bari-Rutgers-Strasbourg	A. Fridman	Negatively charged hyperons induced reactions and \bar{p} annihilations	Streamer chamber + spot focusing Čerenkov counter	EHN1 Not recommended by SPSC on 2.3.1977	SPSC/77-1/P 80 SPSC/77-7/P 80/Add.1

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 81	WA 44	Bologna-CERN-INFN	A. Zichichi	Search for quarks in neutrino interactions	Plastic scintillation counter, wire chambers, streamer chamber	WA Approved by RB on 8.12.1977	SPSC/77-10/P 81 SPSC/77-73/P 81/Add.1
P 82	WA 42	Bristol-Geneva-Heidelberg-Lausanne-Queen Mary Coll.-Rutherford	P. Extermann	Strong interactions of charged hyperons	Magnetic spectrometer and prop. chambers + TOF for recoil protons	WA Approved by RB on 17.11.1977	SPSC/77-24/P 82 SPSC/77-90/M 90

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 83	NA 7	Southampton-Westfield College Frascati-Milan-Pisa Rome (FRAMM)	S.G.F. Frank	Measurement of electro-magnetic form factors of π and K mesons	FRAMM spectrometer preceeded by MNPC	EHNI Approved by RB on 22.9.1977	SPSC/77-30/P 83 SPSC/77-63/P 83/Add.1
P 84	WA 39	Birmingham-CERN- Ecole Polytechnique (Palaiseau)	J.D. Dowell	Study of di-muon production by π^+ , K^+ , p and \bar{p} at 40 GeV/c	Omega	WA Approved by RB on 18.8.1977	SPSC/77-32/P 84

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 85	WA 38	Bologna-CERN-USSR	V.P. Martemianov	Magnetic monopole search	Beam dump targets	Approved by RB on 16.6.1977	SPSC/77-37/P 85
P 86	ETH Zurich	ETH Zurich	V.L. Telegdi	Inclusive production of massive muon pairs with intense pion beams	Magn. iron toroids, MWPCs, scintill. count.	EHNZ Not recommended by SPSC on 29.6.1977	SPSC/77-49/P 86 SPSC/77-20/I 88

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 87		Annecy-CERN-Kyoto Saugy-Marseille- Serpukhov-Trieste- Vienna	G. Fidecaro	Study of spin effects at SPS energies using a polarized proton beam	Polarized beam + polarized target, magn. spectro-meter	EHN1 Not recommended by SPSC on 2.11.1977	SPSC/77-61/P 87 SPSC/77-101/M 94
P 88		CERN-Lausanne-Lund-Rockefeller	L. Dick	Study of spin effects in pp reactions at SPS using a polarized atomic hydrogen jet target	Gas jet target, scintill. + shower detectors	SPS tunnel Not recommended by SPSC on 25.1.1978	SPSC/77-71/P 88 SPSC/77-118/P 88/Add.1 SPSC/77-121/P 88/Add.2 SPSC/78-2/P 88/Add.3

No.	Expt. Code	Labs.	Spokesman	Experiment	Apparatus	Remarks	References
P 89	WA 40	Aachen-Bari-Bonn-CERN- Glasgow-Liverpool- Milano	B.R. French	Search for narrow boson resonances coupled to the nucleon-antinucleon system	Omega	WA Approved by RB on 22.9.1977 (see WA 37/P 66)	SPSC/77-76/P 89
P 90	NA 8	Clermond Ferrand- Leningrad-Lyon- Uppsala	P. Grafström	Hadron Elastic scattering at small angles	Ionisation chamber recoil spectro- meter; forw. magn. spectrometer	EHN1 Approved by RB on 8.12.1977 (see WA 9/P 26)	SPSC/77-87/P 90

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
M 97	WA 41	CERN-Dortmund- Heidelberg-Saclay	J. Steinberger	Beam dump run to check origin of trimuon and exceptional dimuon events	(see WA 1/P 1)	WANF Approved by RB on 17.11.1977	SPSC/77-104/M 97 (Lab. II/EA/75-16)
M 99 M 104	WA 43	Aachen-Bari-Bergen - Brussels-CERN-Ecole Polyt. Palaiseau- Milano-Orsay-Stras- bourg-Univ. Coll.London	P. Musset	Beam dump run in Gargamelle	Gargamelle	WANF Approved by RB on 8.12.1977 (see WA 14/P 31 + P 46, WA 15/ P 34 + P 39).	SPSC/77-107/M 99 SPSC/77-120/M 104

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
M 100	WA 45	BoLogna-CERN-Florence- Genova-Moscow Lebedev Inst.-Paris VI - Santander, Comillas- Valencia	G. Diambri- Palazzi	Data analysis results of the test emulsion exposure and proposal for the full exposure concerning experiment WA 34 on charmed particle photoproduction in emulsion plates	Emulsion plates + Omega	WA Approved by RB on 8.12.1977 (see WA 4/P 10 & WA 34/P 78)	SPSC/77-108/M 100
P 91	NA 10	Ecole Polytechn. Palaiseau-Strasbourg- ETH Zurich	V.L. Telegdi	High resolution study of the inclusive production of massive muon pairs by intense pion beams	Pulsed toroidal magn., MWPCs, scintill. hodosc.	EHN3 Approved by RB on 16.03.1978	SPSC/77-110/P 91

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 92	UA 1	Aachen-Annecy (LAPP)- Birmingham-CERN- Collège de France- Queen Mary Coll. London- UCL Riverside-Roma- Rutherford-Saclay- Vienna	C. Rubbia	A 4π solid angle detector for the SPS used as a $p\bar{p}$ collider at a centre of mass energy of 540 GeV	Multiparticle detector surrounded by e.m. calorimeter and hadron calorimeter	SPS tunnel Approved by RB on 29.6.78	SPSC/78-6/P 92 SPSC/78-141/M 142 SPSC/78-158/M 146
P 93	UA 2	CERN-Orsay-Pavia-Saclay	P. Darriulat	Study of $p\bar{p}$ interactions at 540 GeV cm energy	Detector with e.m. and hadron calorimeter fwd. + backwd spectrometers	SPS Approved by RB on 14.12.78	SPSC/78-8/F 93 SPSC/78-54/P 93/Add.1 SPSC/78-126/M 139 SPSC/78-133/M 141 SPSC/78-162/M 147

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 94	WA 46	Bristol-Geneva-Heidelberg-Orsay-Rutherford-Strasbourg (WA 2 Coll.)	J.-M. Gaillard	Study of Ω^- decays and the $\Sigma^- \rightarrow n e^- \bar{\nu}$ decay mode in the hyperon beam	Hyperon beam; MMPC (backward) + forward spectrometer	Approved by RB on 16 March 1978.	SPSC/77-114/M 102 SPSC/78-12/P 94 SPSC/78-123/M 144
P 95	NA 11	Amsterdam-Bristol-CERN-Cracow-Munich (MPI)-Oxford-Rutherford	R. Klanner	Measurement of charmed particle production in hadronic reactions	Two stage spectrometer + photon calorimeter	WA or NA (EHN1) Approved by RB on 25 May 1978.	SPSC/78-14/P 95

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 96	UA 3	Annecy (LAPP)-CERN	P. Musset	Search for magnetic monopoles	Solid state track detectors in magn. field	SPS tunnel. Approved by RB on 14.12.1978	SPSC/78-15/P 96 SPSC/78-74/M 116
P 97	Bologna (Univ.+INFN)-CERN	A. Zichichi	Search for quarks at the $p\bar{p}$ collider	Scintillation hodoscopes, wire chambers, em. & hadronic calorimeters	SPS tunnel Not recommended by SPSC on 16.1.79	SPSC/78-16/P 97 SPSC/78-129/P 97/Ad.1	

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 98	WA 47	Aachen-Bonn-CERN- I.C. London-Oxford-Saclay	B. Tallini	To continue the study of neutrino interactions with dichromatic beams at the SPS, using BEBC filled with neon	BEBC (Ne)	WA Approved by RB on 29.06.1978	SPSC/78-28/P 98 SPSC/78-72/M 114 SPSC/78-110/M 136
P 99	WA 50	CERN	J. Baarli	Biological effects of 150 GeV/c protons	Beam monitor, Irradiation assembly	WA Approved by RB on 18.10.1978, 16.11.1978	SPSC/78-30/P 99

No.	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 100		CERN-Dortmund-Heidelberg-Saclay	J. Steinberger	Improvement of the WA 1 apparatus	Magnetic muon spectrometer + hadronic shower detector	WA	SPSC/78-32/P 100 SPSC/78-60/M 108
P 101		Brussels-Cambridge-College de France-I.C. London-Liverpool-Mons-PLNHE Paris-Strasbourg-Vienna	J.G. Rushbrooke	A high statistics study of $\bar{p}p$ annihilation physics at the EHS	EHS + fwd. Cerenkov intermediate fwd. neutral hadron calorimeters	NA (EHN1)	SPSC/78-38/P 101

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 102		Bonn-CERN-Glasgow-Lancaster-Manchester-Rutherford-Sheffield	M.A.R. Kemp	To study the reactions $\gamma p \rightarrow p \pi^+ \pi^- \pi^0$, $p \pi^+ \pi^- \pi^0$, $p K^+ K^- \pi$, $p K^+ K^- \pi^0 \pi^0$ in the energy range $E_\gamma = 19-53$ GeV	Omega		SPSC/78-42/P 102 SPSC/78-69/M 113 SPSC/78-127/M 140 SPSC/78-136/P 102/Ad.1
P 103		Bonn-CERN-Glasgow-Lancaster-Manchester-Rutherford-Sheffield	M.A.R. Kemp	To study photoproduction of charmed particles, higher vector mesons and baryonium states in Ω' at high luminosity and higher energies	Omega Prime		SPSC/78-43/P 103 SPSC/78-69/M 113

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 104	WA 49	CERN-Liverpool	R.A. Donald	To study $\bar{p}p$ interactions involving baryon exchange using the Ω spectrometer	Omega	Approved by RB on 29.6.1978	SPSC/78-52/P 104 SPSC/78-121/P 104/Ad.1
P 105	WA 48	Birmingham-CERN-Glasgow	R.M. Turnbull	Study of baryonium states in K^+p interactions using the Ω spectrometer	Omega	Approved by RB on 29.6.1978	SPSC/78-56/P 105

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 106	WA 52	Aachen-Bonn-CERN-I.C. London-Oxford-Saclay	C. Myatt	For an extension of the running of the BEBC beam dump experiment WA 20	BEBC	Approved by RB on 16.11.1978	SPSC/78-59/P 105 SPSC/78-72/M 114 SPSC/78-88/M 126 SPSC/78-94/M 129
P 107	WA 53	Aachen-Bari-Bergen- Brussels-CERN-Palaisseau- Milano-Orsay-Strasbourg- U.C. London	C. Conforto	For a second generation beam dump experiment in Gargamelle	Gargamelle	Approved by RB on 16.11.1978	SPSC/78-64/P 107 SPSC/78-88/M 126

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 108		Bonn-Cambridge- Rutherford-Stockholm	J.G. Rushbrooke	An investigation of $p\bar{p}$ events at 540 GeV c.m. energy with a streamer chamber detection system	Streamer chamber + hodoscope		SPSC/78-70/P 108 SPSC/78-107/P 108/Ad.1 SPSC/78-147/P 108/Ad.2 SPSC/79-11/M 153
P 109	NA 14	Amsterdam-CERN-Cracow- I.C. London-Munich MPI- Orsay-Saclay- Southampton	D. Treille	A program of photoproduction at high energy and high intensity	Fwd magn. spectro- meter, Cerenkov hodoscopes, c.m. shower detectors, μ -identifier	Approved by RB on 14.12.1978	SPSC/78-76/P 109 SPSC/78-139/P 109/Ad.1 SPSC/77-116/I 98

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 110	NA 12	IHEP-IIISN-LAPP	Yu.D. Prokoshkin	Study of $\pi^- p$ interactions with neutral final states	✓ Cerenkov hodoscope spectrometer + neutral trigger system	Approved by RB on 16.11.1978	SPSC/78-95/P 110 SPSC/78-96/P 110/Ad.1
P 111		Aachen	G. Otter	Study of the $(\bar{K}^0 \pi^+ \pi^-)$ system produced in the reaction $K^- p \rightarrow \bar{K}^0 \pi^+ \pi^- n$ at 13 GeV/c using the Ω' spectrometer and the RF-separated S1 beam	Omega	Not recommended by SPSC on 29.11.1978	SPSC/78-97/P 111 SPSC/78-55/I 112

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 112		Bari-Birmingham-CERN-Milano-Pavia	L. Mandelli	To study ϕ like mesons produced in $K^+ p$ interactions using the Ω' spectrometer	Omega	Not recommended by SPSC on 29.11.1978	SPSC/78-98/P 112
P 113	NA 13	Brussels-CERN-Oxford-Padova-Rutherford	C.M. Fisher	To search for direct evidence for charm in hadronic interactions using a high resolution bubble chamber	BEBC	Approved by RB on 16.11.1978	SPSC/78-103/P 113 SPSC/78-47/I 110 SPSC/78-104/M 133

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 114	UA 4	Amsterdam-CERN-Genova-Napoli-Pisa	G. Matthiae	The measurement of elastic scattering and of the total cross section at the CERN pp collider	Drift chamber telescopes + central detector of UA 2	Approved by RB on 18.1.1979	SPSC/78-105/P 114 SPSC/78-11 /I 100
P 115	WA 51	Seattle	H.J. Lubatti	To study π^{\pm} Ne interactions in BEBC	BEBC	Approved by RB on 16.11.1978	SPSC/78-113/P 115

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 116		Amsterdam-Bologna-Mons- Padova-Pisa-Roma- Warsaw	V. Flaminio	For a wide-band-beam ν and $\bar{\nu}$ exposure of BEBC with a neon-hydrogen filling	BEBC	Decision pending	SPSC/78-116/P 116 SPSC/78-106/I 113 SPSC/79-4/P 116/Ad.1 SPSC/79-3/M 149
P 117	WA 56	CERN-Coll. de France- Neuchâtel-Palaiseau	A. Ferrer	To study $\bar{N}N$ states produced via baryon exchange in π^+p interaction using the Ω^+ spectrometer	Omega	Approved by RB on 14.12.1978	SPSC/78-119/P 117

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 118	WA 55	CERN-Coll. de France Paris-Neuchâtel	A. de Bellefon	Test of Ω' Accuracy, and K^+p elastic scattering at 12 GeV/c around 90° c.m.	Omega	Approved by RB on 14.12.1978	SPSC/78-120/P 118
P 119	Amsterdam (NIKHEF)- Annecy (LAPP)-Boston (MIT)-CERN-Helsinki- Palaiseau-U.C. London	F. Vannucci	Search for new particles	Solenoid magnet with projection drift chambers + hadron absorber	Not recommended by SPSC on 13.12.1978	SPSC/78-130/P 119 SPSC/78-144/P 119/Ad.1	

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 120		Ankara-Bari-Brussels- CERN-Dublin-U.C.London- Milton Keynes (O.U.)- Rome-Strasbourg-Turin	E.H.S. Burhop	Lifetime measurement and identification of charmed hadrons produced in neutrino interactions in nuclear emulsion	Nuclear emulsion + GCM		SPSC/78-134/P 120 SPSC/77-88/I 96 SPSC/77-111/I 97 SPSC/78-1/I 96/Ad.1
P 121		Aachen-Bonn-CERN-I.C. London-Oxford-Saclay	B. Tallini	Measurement of nucleon structure functions in horn focused ν & $\bar{\nu}$ beams in BEBC filled with neon	BEBC		SPSC/78-137/P 121

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 122		Bologna-Bonn-CERN-Florence-Genova-Glasgow-Lancaster-Manchester-Moscow LPI-Paris VI-Rutherford-Santander-Sheffield-Univ. Paris-Valencia	G. Diambriini-Palazzi	To measure the lifetime of charmed particles in nuclear emulsion exposed to 80 GeV bremsstrahlung beam in conjunction with the Ω' spectrometer	Nuclear emulsion + Omega		SPSC/78-145/P 122
P 123		Bari-Birmingham-Brussels-Palaisseau-Rutherford-Saclay	W. Venus	Measurement of charged current cross sections and structure functions using BEBC and a bare-target neutrino beam	BEBC		SPSC/78-155/P 123 SPSC/78-131/I 114

No	Expt. Code	Labs	Spokesman	Experiment	Apparatus	Remarks	References
P 124		Heidelberg (MPI)	M.A. Faessler	Measurement of the correlations between emitted protons and pions in hadron-nucleus collisions for 60 to 150 GeV/c incoming momenta	Scintillator/ Cerenkov counter set-up + fwd hodoscope	See WA 35	SPSC/78-159/P 124
M 126	WA 54	CERN-Dortmund- Heidelberg-Saclay	J. Steinberger	Beam dump experiment	WA 1-apparatus	Approved by RB on 16.11.1978	SPSC/78-88/M 126