

Name	Labs	Expt	Apparatus	Remarks
1) R. Brandt	Marburg	Nuclear chemistry (absolute monitor σ ; reactions in Cu, Au, Bi, U; "strange" decays as spontaneous fission)	(no detail)	no internal irr facility available Would be "Beam expt. NA (WA?)
2) P. Yfou	Orsay	Nuclear chemistry for astrophysics	internal irradiation facility	is not available
3) B.G. Pope	CERN	$p + \text{nucleus} \rightarrow \mu^+ + \mu^- + \text{anything}$ at 400 GeV to $\sigma \sim 10^{-39} \text{ cm}^2$ with 10^{12} E/p . $\Delta M/M = \pm 5\%$ for $5 \text{ GeV} < M < 25 \text{ GeV}$.	Beam dump in 1m target 10m steel wall MWPC-planes with $\epsilon = \pm 0.5 \text{ mm}$	NA, behind zone
4) R. Hofstadter	HEPL Stanford	Backw. inelastic inclusive proc. $p + p \rightarrow p + p \rightarrow p + x$ $\rightarrow p + x$ $\rightarrow \pi^+ + x$ $\rightarrow K^+ + x$ etc., etc. Coincidence with High Res. Spectr. (1 arm) + TANC detector or particle or γ -detector 2nd arm: $p + p \rightarrow p + p + x$ (+ elast.) $\pi^+ + p \rightarrow \pi^+ + p + x$ (+ elast.), etc., etc.	168" 2.5 GeV/c high resolution large acceptance spectrometer 180° bend $A_p/p = 10^{-4}$	NA possible
5) O. Skjeggstad	Bergen	ν -physics	Gargamelle	WA
6) S. Natali	Bari	ν -physics	Gargamelle	WA
7) P. Schlein		High P_t processes	Total absorption calorimeter	NA

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8) P.J. Duke	Daresbury, Birmingham, Glasgow, Lancaster, Manchester, Sheffield, Orsay, Ecole Pol., Bonn	γ -e-physics 20-100 GeV	Omega	WA (NA: combined e-hadron beam plan)
9) G. Fidencaro	CERN-Trieste-Vienna	d σ /dt and polariz. parameter P for $p\bar{p} \rightarrow p\bar{n} + np \rightarrow pn$ between 25 \rightarrow 150 GeV/c and $t \lesssim 3$ (GeV/c) ²	Little detail. MWPC or drift ch. > 10 ⁸ p/p	NA (H4, E8) for high E. zone 1
10) R. van de Walle	Nijmegen	$K^+ p$ 70 GeV/c	BEBC (H ₂) (+EHI?)	WA
11) J.M. Gaillard	Geneva, Heidelberg Lausanne, Orsay, RHEL, Strasbourg	Charged hyperon interactions; leptonic decays	Hyperon beam, MWPC (backw.) + forw. spectro- meter	WA
12) D. Cundy	Aachen, CERN, Oxford	ν -physics	BEBC (Ne) +EMI	WA
13) J. Sacton	Brussels	ν -physics	Bubble chamber	WA
14) J. Duboc	LPfHHE	$K^+ p$, 70 GeV/c	BEBC (H ₂) hybrid (charged particle identifier, TST, ext. γ -detector)	WA

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15) E. Gabathuler	Daresbury, Lancaster, Liverpool, Oxford, Sheffield, R.M.C. Schriivenham, Coll. de France, IPN Orsay, Bonn, (DESY), Wuppertal, CERN	μ -physics up to 250 GeV	Forw. spectrometer 3 stages. Trajec. measd. by W ₁ -W ₈ : $E = \pm 0.15$ mm Large χ detector: 2 x 2m ² x 1m C-magnet; beam through yoke. Wire ch. inside + outside or streamer	NA zone 2 magn. length: 2, 4 + 8 Tm. 200 evts/10 ⁸ p 2 litre polari. target planned.
16) D.J. Miller	University College	p, π^- -proton up to 200 GeV/c	BEBC (H ₂ +Ne) + TST (H ₂)	WA
17) F.W. Bullock	University College	ν -physics	Gargamelle	WA
18) G. Kalmus	Glasgow, Oxford, RHEL, Saclay	$K^- p, 45+65$ HrV/c	BEBC (H ₂) EHI	WA
19) F. Grard	Mons	K^+ 30-75 GeV/c \bar{p} 25-100 GeV/c	BEBC (H ₂) EHI	WA
20) M. Paty	Strasbourg	ν -physics	BEBC (H ₂ + Ne) or GGM + EMI	WA
21) E. Quercigh	Birmingham, CERN, Genova	K^+, \bar{p} at 40-60 GeV/c	BEBC (H ₂) EHI	WA

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22) D.R.O. Morrison	Aachen, Berlin, Bonn, CERN, Cracow, Heidelberg, London, Vienna, Warsaw	K^- , 75-110 GeV/c	BEBC (H_2) later with Cerenkov- beam-tagging; TST	WA
23) K. Winter	CERN, Hamburg, Karlsruhe, Oxford, RHEL, Westfield College	ν -physics	Hadron ionisation calorimeter	NA
24) B. Dauger	Orsay	π^+ , highest momentum	BEBC (H_2)	WA
25) B. Dauger	Orsay	π^+ , π^- , high momentum	BEBC (H_2+Ne) TST with deuterium	WA
26) P. Petiau	Ecole Polytech- nique	ν -physics	Gargamelle, BEBC (Ne)	WA
27) A. Lundby	Bari, Birmingham, CERN, Genova, Oslo, RHEL, Stockholm	Hadron physics \rightarrow 150 GeV/c	Focussing spectrometer	WA
28) G. Wyatt	Aachen, CERN, Oxford	ν -physics	BEBC (H_2) + EMI	WA