

SUMMARY OF APPROVED PS COUNTER EXPERIMENTS

Expt. Code	Area	Beam	Title of Experiment	Contact men	Approved Time remaining	Status or Start
S 97	S-E		g-2	Combley, Krienen	No Time allocation	1973
S111	E	p ₈	"Exotic Exchange" $\pi^- p \rightarrow K^+ \Sigma^-$	Willitts, Yvert	3 weeks	In Production
P 9	E	k _{12a}	Production of hypernuclei	Bonazzola, Bressani	2 periods	1973
P17	E	e ₉	Coherent scattering of p on He ⁴	Querrou	Parasitic till 1.4 + 2 periods	In Production
P12	E	e ₆	Search for very energetic heavy fragments	Herz	Parasitic	
P13	E	e ₆	Investigation of prod. of elements with Z > 30	Bächmann, Lieser	"	
P15	E	e ₉	Production of superheavy elements	Bächmann, Brandt	"	
P16	E	e ₉	Search for superheavy elements	Batty, Marinov	"	
P18	E	int. tgt.	Fragmentation cross sections for astrophys.	Yiou, Fontes	"	
P20	E	e ₉	Search for superheavy elements	Marinov	"	
P19	N-E	e ₈	Exotic nuclei with mass spectrometer	Klapisch	3 weeks, (1:5 b)	March 1973
S112	W	p ₉	Study of zero strangeness boson using neutron trigger	Corbett, Lipman		April 1973
S113	W	p ₉	Proton time-of-flight trigger	French, Mandelli		" "
S114	W	p ₉	Baryon exchange with production of forw. Λ	Muller A., Runge		" "
S115	W	p ₉	Baryon-antibaryon pair production	Muller A., Turnbull		" "
S116	W	p ₉	Non-diffractively produced K* resonances	Beusch, Websdale		" "
S117	W	p ₉	Quasi two-body reactions through baryon exchange mechanism	Fleury, Treille		" "
S118	S	m ₁₃	Study of K _{e4} decay	Mermod, Turlay	4 periods	March 1973
S119	E	p ₁₃	Quasi two-body reactions	Stierlin, Weilhammer	2 periods	In Production
S120	S	d _{31a}	Two-body reactions	Damerell, Lundby	2 periods	May 1973
S11	E	y ₁	Leptonic decays of negative hyperons	Gaillard, Meunier		In Production
S122	E	p ₁₃	I = 1/2 baryon states on helium, using spectrum of S119	Herz, Imrie	2 periods	1973
S123	E	b ₁₉	$\Lambda, \bar{\Lambda}$ total cross section and K ⁰ e scattering	Kleinknecht, Wahl	2 periods	In Production
S124	S	m ₁₁	$\bar{p}p \rightarrow \pi^+ \pi^-$, 1.2 - 2.4 GeV	Astbury, Kalmus	2 periods	March 1973
S125	S	d ₃₁	$\pi^\pm p(\uparrow) \rightarrow \pi + \text{anything}$	Dick, Poulet	1st period	March 1973
S126	S	m ₉	$\pi^- p \uparrow \rightarrow \Sigma^- K^+$ and $\pi^- p \uparrow \rightarrow p \pi^-$ at 3.5 GeV/c	Fidecaro	3 periods	April 1973
S127	E	k ₁₂	K ⁺ ₂₃ decays	Rieseberg, Soergel	4 periods	June 1973
S128	E	b ₁₉	Σ^0 lifetime	Kleinknecht, Wahl	4 periods	June 1973
S129	E	y ₁	Study of elast. scatt. + diffractively prod. Y*	Gaillard, Meunier	No time allocation	August 1973
S130	-	-	Study of K _S ⁰ p \rightarrow K _L ⁰ p	Crozon, Mittner	No time allocation	
S131	-	-	K ⁻ p \rightarrow $\bar{K}^0 \pi^- p$ and K ⁺ p \rightarrow K ⁰ π^+ p	Martin	No time allocation	
P 7	S	k ₁₈	X-rays from \bar{K}, p, Σ^- - atoms	Backenstoss	(5 periods shared between P7 and P11	February,
P11	S	k ₁₈	Hypernuclear spectroscopy	Povh, Lynen		June 1973