

June 19th, 1962

M E M O R A N D U M

To : The Members of the Nuclear Physics Research
Committee

From : P. Preiswerk

Concerning : The programme for counter experiments, to be
discussed at the NPRC Meeting on June 20th, 1962

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At a Meeting of the Electronic Experiments Committee held on June 19th, 1962, final decisions were taken on the recommendations of the EEC for PS machine time allocation to counter experiments in Period III (23/10/62 to 15/2/63).

These recommendations are the following:

Beam	Symbol	Name	Title	Recommended Priority and number of shifts expected to be available
c ₃	C ₄	Taylor	p-p inelastic scattering	a 30
d ₉	S ₁	Jones	π-p elastic scattering	a 40
	S ₅	Backenstoss	Pion form factor	Probably no machine time can be made available in Period III, even if tests are successful.
	C ₅	Taylor	π-p diffraction scattering	Not in Period III
	S ₁₈	Weber	π-p backward scattering	b(test)
	S ₉	von Dardel	Test of special relativity	Not accepted. Not to be rediscussed before 1st June, 1963
q ₁	S ₁₇	Sens	Beta decay of Λ	a(test)
a ₂	L ₂	Lundby	Strange particle physics	a 35
	S ₁₁	Conversi	p-p̄ annihilation to electron pair	a(test, possibly in Period II) Time for production only when more than 35 shifts in beam a ₂ are available in Period III.
o ₃	S ₁₄	Citron	Setting up of muon beam	Not decided

Notation: a) first priority
 b) second priority
 (test) full number of shifts requested will only be allocated after test runs have shown the experiment to be feasible.

Due to the May shutdown of the PS machine, there have been comparatively few developments in the counter experimental programme since the EEC meetings of 15 and 17 May, 1962. For all further information a summary of the discussion in these previous meetings is attached to this memorandum.

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