

PS UTILIZATION JUNE - AUGUST 1962

Description	Assigned	Run	Comments	
<u>TRACK CHAMBER</u>				
T4, T8, T9	Protons and $\pi$ 's	33	30	81 cm HBC $2 \cdot 10^5$ pictures
X1	Slow $K^-$ in freon $\frac{\Delta S}{\Delta Q}$ test	30	38	HLC $2.4 \cdot 10^5$ pictures
W2	$K_2^0$ lifetime, 1 pulse in 60	24-30	(98)	No beam transport used
	Setting up beams	-	7	---
<u>COUNTERS</u>				
S8	p-p scattering	20	61	Completed
S6	$\Sigma$ $\Lambda$ parity (Fidecaro)	~35	65	} run in parallel with each other
S7	$\Sigma$ $\Lambda$ parity (Argonne)	~35	91	
S11	$\bar{p}$ -p annihilation	10	~25	tests
D6	$\pi^0$ lifetime	15	15	Completed
S2	Dipion peripheral production	20+?	67	Completed
	Neutrino group (tests)	20	26	tests and 6 shifts un-scheduled antideuteron search
S14	$\mu$ -p scattering	10p	27	apparatus tests
<u>EMULSIONS</u>				
E5, E10	Study hyperon production (1/5 pulses), (E5 Copenhagen, E10 Bern)	0	30	fitted in without taking any extra machine time. E5 pulsed coil troubles E10 finished
E41	p-p diffraction scattering	?	9	beam tests
E11a	$g(\Sigma^+)$	5/5+3/3	3	---
<u>OTHERS</u>				
K4	Absolute determination of monitor cross section	4	5	setting up
K5	$\pi$ -induced nuclear reactions	4	4	---
m <sub>1</sub>	beam study	?	11	---
k	beam study for emulsion $K^-$	?	4	---