Cette liste est réservée à la distribution interne de la division T.C.

(Stencil)

**PHYSICS**

- Branching ratio and form of interaction for the beta decay of the Λ hyperon
- Leptonic decays of strange particles
- Production of neutral particles in π⁺d interactions at 6 GeV/c and I-spin of f⁰
- Hyperon production by 3 and 3.5 GeV/c K⁺ (KΛK*) final states in interactions of 3.0 GeV/c K⁺
- K⁺p elastic scattering at 3.0 and 3.5 GeV/c
- YY production by 5.7 GeV/c antiprotons in hydrogen
- The annihilations of 3.0 GeV/c antiprotons into K's and π's
- The reaction K⁺p→K⁰π⁺ above 3 GeV/c
- Estimation of partial cross-sections for the 4-prong pp interactions at 5.7 GeV/c
- Preliminary analysis system for high energy meson interactions
- Search for fractionally charged particles produced by 27.5 GeV/c protons
- The principal axis of jets - an attempt to analyse high-energy collisions as two-body processes
- Proposal for investigations on production of massive particles within framework of Lee scheme
- Search for massive particles
- Single pion production in antiproton-proton interactions at 4.0 GeV/c
- Antiproton-proton elastic scattering at 4 GeV/c and annihilation into two charged mesons
- Evidence for a (Kππ) resonance with Tₚ = 3/2 at 1270 MeV
PHYSICS (suite)

Properties of the $A_1$ studied in 16 GeV/c $\pi^-$ interactions on nuclei

The reaction $K^+p \rightarrow K^0\pi^+$ at 3 GeV/c

Elastic and two-prong inelastic interactions of 8 GeV/c

Resonance production in 4-prong interactions of 8 GeV/c $\pi^+$ in hydrogen

Experimental results on the annihilations $\bar{p}p \rightarrow K\bar{K}+2n$ at rest

Characteristics of the $A_1$ and $A_2$ mesons

Cross-section for the charge exchange reaction $\pi^+n \rightarrow p+n^0$ at 6 GeV/c pion momentum

An unsuccessful search for hyperstrange mesons with masses between 640 and 940 MeV

Choice of best conditions to produce omega minus hyperons

Evidence for $\Lambda(725)$ in $K^+p$ interactions at 3 GeV/c

Strange particles resonances

Resonance production by 8 GeV/c positive pions on protons

Strange particle production by 8 GeV/c positive pions on hydrogen

COM

Revised proposal for experiment T49 on 5-6 GeV/c $K^-$-meson interactions in the 1.5m B.N.H.B.C.

Proposal to study $K^+n$ interactions at an energy between 3.5 GeV/c and 6 GeV/c

Study of $p-p$ interactions at $\gtrsim 26$ GeV/c in a hydrogen bubble chamber

Experimental program for track chambers at CERN

Experimental proposal (4.2 GeV/c protons in HBC)

Supplementary run at 6 GeV/c with $\pi^+$ in deuterium
Track chamber experiments proposed until April 3, 1964

The study of higher pionic resonances in liquid deuterium

Proposal to study 3 GeV/c K⁻-interactions in deuterium

Note on the K⁺ experiments proposed in the electrostatic, or R.F., separated O₂ beam using the 1.5 metre BNIII C

An experiment to determine the decay width of ρ → πγ (Γρ → πγ)

Proposition d'expérience avec des π⁺ de 10 GeV/c dans une chambre à bulles à hydrogène contenant une plaque lourde

Track Chamber Committee, Meeting of April 8, 1964 - Decisions taken at the Meeting

Track Chamber Committee, Agenda for the Meeting on Wednesday, June 3, at 2 p.m.

Improvement of T53 (K⁺ stopping)

Proposition d'expérience d'antiprotons de 2.5 GeV/c

Track Chamber Committee, Memorandum to Members re: Date of next meeting

Track Chamber Committee, Meeting on June 3, 1964 - Decisions taken at the Meeting

Track Chamber Committee, Agenda for the Meeting on Wednesday, July 22, at 2 p.m.

X₂ experiment on stopping K⁺'s

Investigation of the momentum spectrum of protons from π⁻p and π⁻π interactions at 10 GeV

Proposal to Study π⁺p interactions at 5 GeV/c

New proposal for T36 experiment electromagnetic production of resonances and the decay width of ρ → πγ (Γρ → πγ) II.

Track Chamber Committee, Meeting on July 22, 1964 - Decisions taken at the Meeting

A proposal to study π⁻p interactions at 4.5 GeV/c, using F.S.D. machines
COM (suite)

List of publications and conference reports of work based on bubble chamber film taken at CERN

Track Chamber Meeting, Agenda for the Meeting on Tuesday, September 8, at 11 a.m.

Track chamber experiments proposed until September 7, 1964

Proposition d'extension de l'expérience

Proposal for collaboration with the Amsterdam Group in the Experiment T21

Memorandum to T.C.C. from Xβ Collaborators (CERN, Ecole Polytechnique, "Nijmegen, Padua, Turin and University College)

Proposal for neutrino running in 1965

Proposal to expand the π⁺p-collaboration at 5 GeV/c

Track Chamber Committee, Meeting on September 5, 1964. - Decisions taken at the Meeting

Request for an experiment of 1.5 10⁶ p⁻ stopping in liquid hydrogen

Proposal for an extension of Experiment T14

Track Chamber Committee, Agenda for the Meeting on Wednesday, October 21, at 2 p.m.

Memorandum to Labs. participating in T°C. experiments at CERN, from R. Budde, TCC Secretary, re: Next TCC Meeting on Oct. 21st.

π⁺d interactions at 10-14 GeV/c

Proposal to expand the π⁺p-collaboration at 5 or 6 GeV/c

Proposal to investigate the production of the \( K^\) meson by \( K^\) just above threshold

Proposal for an extension of the study of \( K^p \) interactions in the 3 to 5 GeV/c range

Proposal to study leptonic decays of hyperons and the hyperon-nucleon scattering

Combined proposals from high-energy groups
Extensive study of the $\pi^+$ deuterium interactions at 4.5 GeV/c

Interactions of positive and negative pions in deuterium at 10 GeV/c

Track Chamber Committee, Meeting on October 21, 1964 - Decisions taken at the Meeting

Track Chamber experiments proposed until October 28, 1964

Performance and acceptance tests of the Sulzer Refrigeration Plant

Programme du run du 2 au 30 juin 1964

Paramètres relatifs au bloc caméras et aux hublots

Programme du run du 30 juin au 30 juillet 1964

Programme de travaux du 22 juillet au 15 sept. 1964

Programme du run du 14 septembre au 29 septembre 1964

Programme du run $D_2$ du 12 au 29 octobre 1964

Parameters of the 1.5m hydrogen bubble chamber

Coordinates of fiduciary marks on main windows

Beam $N_2$ project

Instructions pour le dépouillement du film $p$ 1.2 GeV/c

Note concernant l'état d'avancement de l'expérience $\pi^d$ à 6 GeV et proposition d'extension des mesures

Format of data summary tape - Expt. 72

9576/p/cm
GRIND Fortran II – Fortran IV conversion
Memorandum to users of CERN track chamber analysis programs
SUMX – Interim report accompanying deck of 9.4.64
BAKE modifications for Experiments 61 and 79
New THRESH
Bubble chamber analysis programs in IBM-CDC compatible Fortran
Remarks on THRESH 6405
Memorandum to Collaborators of T.C. Program Library and to Programmers in experimental groups
Instructions aux opérateurs IEP – Utilisation des signaux d'erreur
Memento à l'intention des coordinatrices
Programme de decoding – Programme de Precision
OWL – A Monte Carlo phase space programme
Fortran IV under IBSYS
Two IBM programmes for fitting a polynomial or an exponential curve with two or three parameters
The "INDEX" System
Remarks on THRESH 6405
Notice about T.C. Program Library documentation

(BEAM)

S. Brandt et al. 14.5.1964
G. Kellner 19.6.1964
G. Kellner 19.6.1964
M. Ferro-Luzzi 9.7.1964
H. Schneider 8.7.1964
M. Ferro-Luzzi 9.7.1964
Mesures sur la déformation des buses de la CB 2000

- N. Schmitt 5.6.1964

Alimentation 360COURS dans la Zone EST

- F. Birchler 27.5.1964

Échange des masses polaires d’un aimant de déflexion de 2m

- F. Wittgenstein 30.7.1964

Échange des masses polaires de deux aimants de déflexion de 2m

- F. Wittgenstein 10.8.1964

Échange des masses polaires de deux aimants de déflexion de 2m, typo Oerlikon

- F. Wittgenstein 5.10.1964

Sion

Programme des travaux CBH 81 durant la période du 30 septembre au 12 octobre 1964

- J. Holtz 1.10.1964

SAFETY GROUP

Purging of liquid hydrogen systems

- 25.5.1964

Electrical apparatus for use in hydrogen areas

- 26.5.1964

Liquid hydrogen safety code

- 27.5.1964

ATELIER

Rapport d'activité du laboratoire T.C. pendant les mois d'avril et mai, 1964

- J. Dozio 3.6.1964