

Ref :

6234
Date : 2/6/65

S11

Memorandum

To : Prof. G. Puppi - Chairman of EEC

From : PAPPLEP- group

Subject : PS running time in the m4/a beam for next period.

The status of our analysis is reported in the attached papers. This status has been discussed with Professor Gregory and with Professor Paül. All we have done look very satisfactory and we would like to convey to you our feeling that we have used our set-up for a very short period of time, compared with all problems we had to solve to be able to reduce background to a level of less than a nanobarn. Given the efforts we had to put in our set-up we would like to use it during the next period, before starting the investigation of leptonic decays of resonances. In case it would be impossible to use any more the antiproton beam, we would like to apply for preliminary studies of our next experiment on the measurement of the ω - ϕ mixing angle.

CERN LIBRARIES, GENEVA

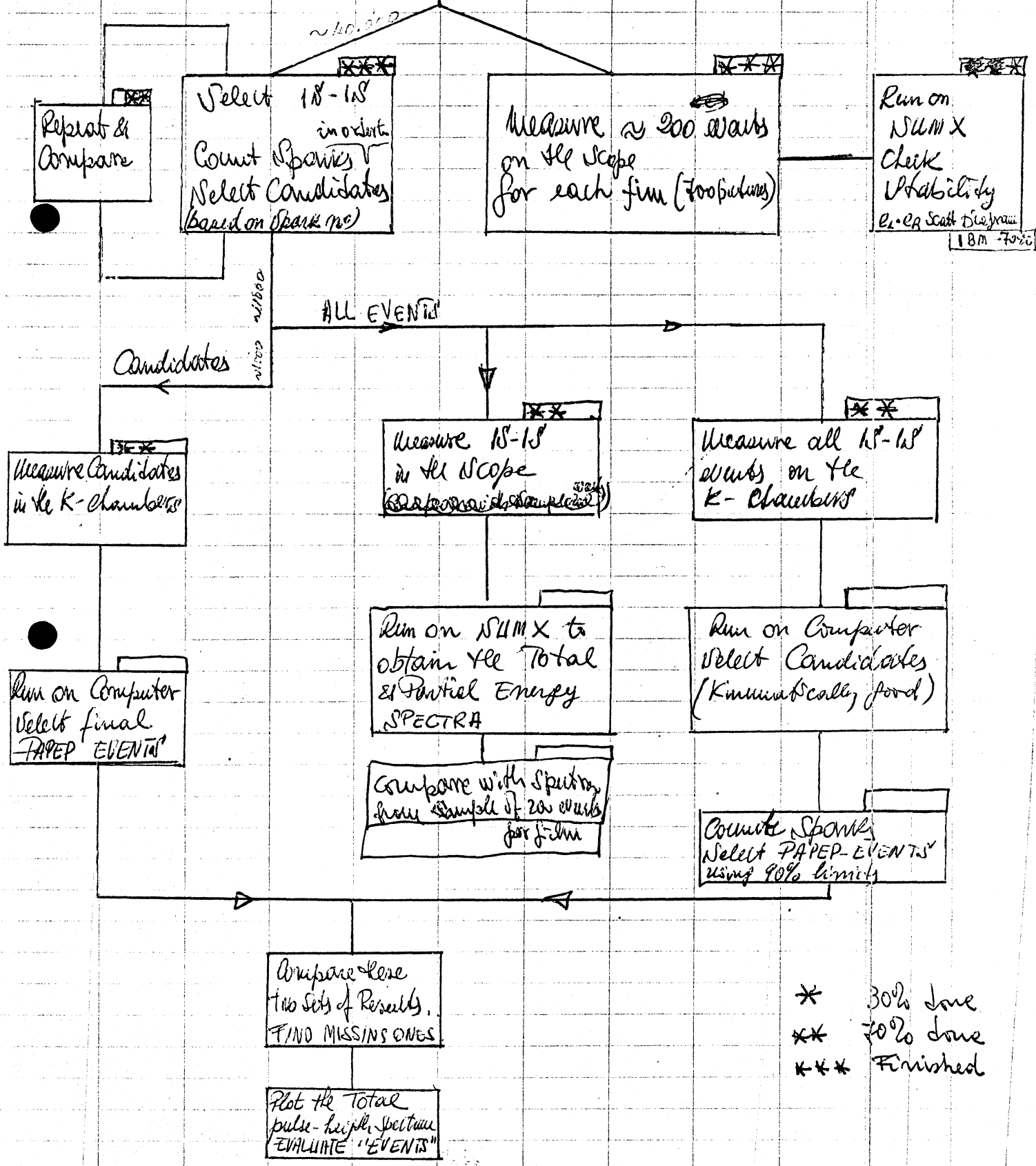


CM-P00059274

(ee)

MAIN RUN

Block Diagram of the Logic
"AAA LOGS"



* 30% done
 ** 70% done
 *** Finished

CALIBRATIONS

Block Diagramme of the Logic
Analysis

$(e), (\pi)$

$(\mu), (\pi)$

Count Sparks
Decide LIMITS
(90% e)

*
measure on the
scope "e" & "π"
Plot histograms

**
measure
p-channels

measure
Kinematic (Sandwich)
channels

Plot variation
of Limits with
Time

check stability

*
Computer

*
Computer

Decide limit
of Spark count to
select events from RUN

Combine to find total
range - including multiple
scattering corrections

Plot histograms
of total range
for $\pi + \mu$ to show
separation.

($\mu\mu$)

MAIN RUN

Block Diagram of the Logic
ANALYSIS

