Memorandum

To : Nuclear Physics Research Committee
From : Secretary of the Emulsion Experiments Committee
Re : Emulsion experimental programme.

The emulsion experimental programme as it was discussed at the last meeting of the Emulsion Experiments Committee on 14 September 1964 is detailed in document EmC 64/20.

(a) The main experiment supported by the Committee is an irradiation to be made in a stopping K⁻ beam for a more complete study of hyperfragments E55 (see EmC 64/17) and for which 5 - 10 shifts would be required. A large collaboration has been set up for the evaluation of the material exposed.

(b) In addition but not fully discussed by the Committee there are the following requests:

i) **high-energy K⁻ irradiation** (8,6 GeV/c or 10,6 GeV/c)

   ii) experiments in the fast ejected proton beam for
       - fast fragment studies E52 (EmC 64/4) Warsaw and hyperon beam production E53 (EmC 64/5) Munich; both experiments are using a 200 kilogauss pulsed magnetic field,
       - fission studies using mica sheets as detector in relation with hyperfragment physics E56 (EmC 64/19), CERN, Naples, Warsaw.