20 September 2004
IDto2004-22m

MEMORANDUM

To: P. Cennini, DSO AB

cc: H. Haseroth, AB-ABP; A. Fabich, AB-ATB; Ch. Hill, RSO AB

From: Th. Otto, SC-RP

Conc.: Ventilation issues for Proposal INTC-P-186

Proposal INTC-P-186 (CERN-INTC-2004-016) foresees to install a Target system for a 4 MW, 24-GeV Proton Beam in transfer tunnel TT2a, upstream from the n-TOF target.
An exerimental campaign with not more than $3 \cdot 10^{15}$ protons from the PS on a mercury jet target is foreseen.

In principle, a target area should be equipped with a filtered and monitored ventilation system in order to reduce and to account for releases of radioactive air and aerosols into the environment.

The amount of radioactive air and aerosol produced by the the limited total beam intensity of the experiment proposed will not contribute significantly to the total releases from CERN. This circumstance allows to exceptionnaly deviate from the general principle.

The operation of the experiment proposed in INTC-P-186 for not more than $3 \cdot 10^{15}$ protons on target from the PS without filtered and monitored ventilation in transfer tunnel TT2a is authorised.

Th. Otto

Radiation Protection PS accelerator complex