Cave A safety instructions MF edition

<u>scope</u> Hazards and safety equipment of cave A and the measurement hut on top of cave A in the configuration used by Materials Research experiments: Bio beamline, SEETRAM, exit window, sample stage or specific target holder, beam dump.

READ, UNDERSTAND, ASK QUESTIONS. THEN PRINT LAST PAGE, SIGN, RETURN TO ME.

(1) hazards

Thin vacuum window: danger of implosion. Wear ear protection and/or cover window when working close to the window.

High voltage on SEETRAM: Danger of electric shock. Do not disconnect cables from SEETRAM unless voltage is off. Do not turn on voltage when chance of someone disconnecting the cables. High-voltage supply in the measurement hut.

Radiation and contamination: Danger of incorporation, danger of irradiation. Adhere to rules laid out in the Radiation Protection Instructions. Use active radiation monitors to check for activation. Use hand/foot contamination monitor. In case of surface contamination make sure that nobody enters contaminated areas. Remove contaminated material from yourself while keeping contamination in the smallest space possible. Call Radiation Protection shift.

Activated targets: Danger of incorporation, irradiation. Use active dosimeters to assess activation of irradiated samples. Let samples cool down before moving them into the target-safe. Be aware of activated samples in the target safe. Wear disposable gloves. Dispose of contaminated gloves in plastic bag in safe.

Rigid equipment protruding into working space: Danger of blunt-force injuries. Wear protective gear (hats, shoes, gloves) that are available in the Lager.

Beam dump: Danger of blunt force injuries, danger of irradiation. Do not reach into open beam dump. Close beam dump before opening the cave. Do not open or close beam dump when cave is open and somebody might be inside.

Calibration sources: Be aware of storage safe for calibration sources.

(2) safety equipment

Emergency power cut-off: Cut electrical power to the cave. Emergency lighting stays on, beam is blocked, doors are unlocked.

Gas warning horn/flash-lamp: warns of danger of suffocation. Make everyone leave cave, let nobody enter. Call gate or HKR.

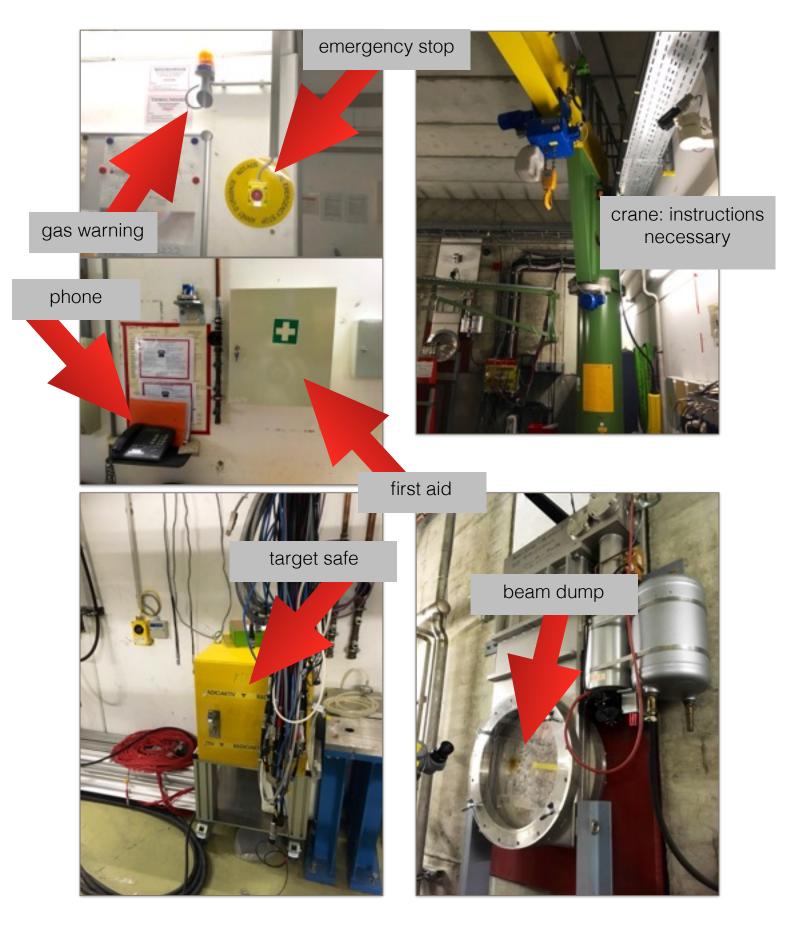
Old first aid kit in cave.

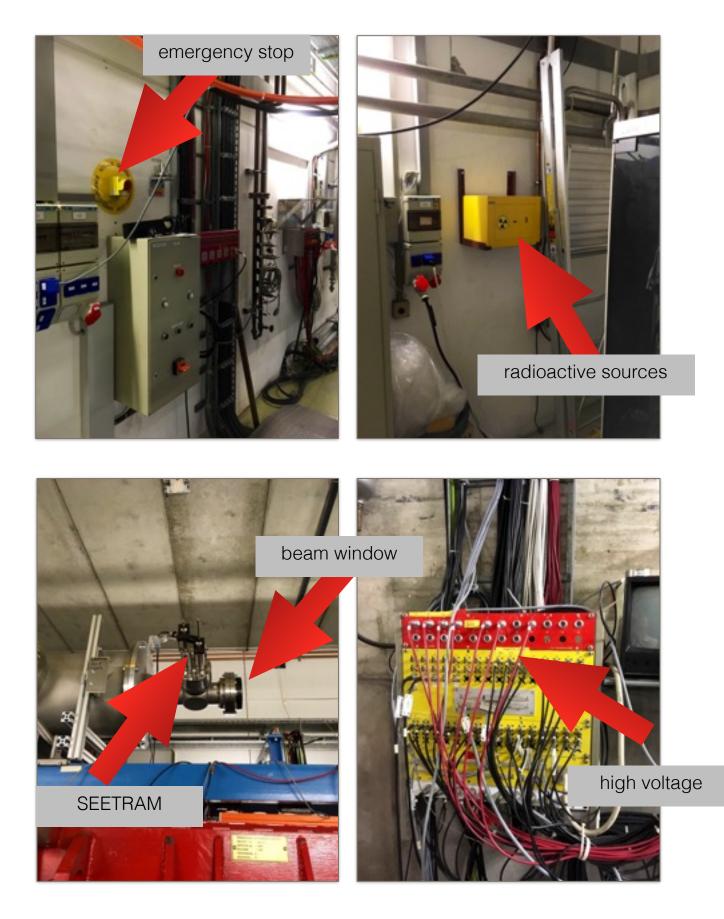
Fire extinguishers and emergency exit routes: available in the labyrinth to cave.

Fire extinguishers, first aid kit, fire alarm button and emergency exit.

Fire extinguisher on top of cave at stairs.

Telephone in the cave, telephone in measurement hut.







I have been instructed about potential hazards and safety equipment in cave A and in the measurement hut on top of cave A.

date:	
Name	signature