## Shielding Effects of Supplementary Walls Region of LINAC3

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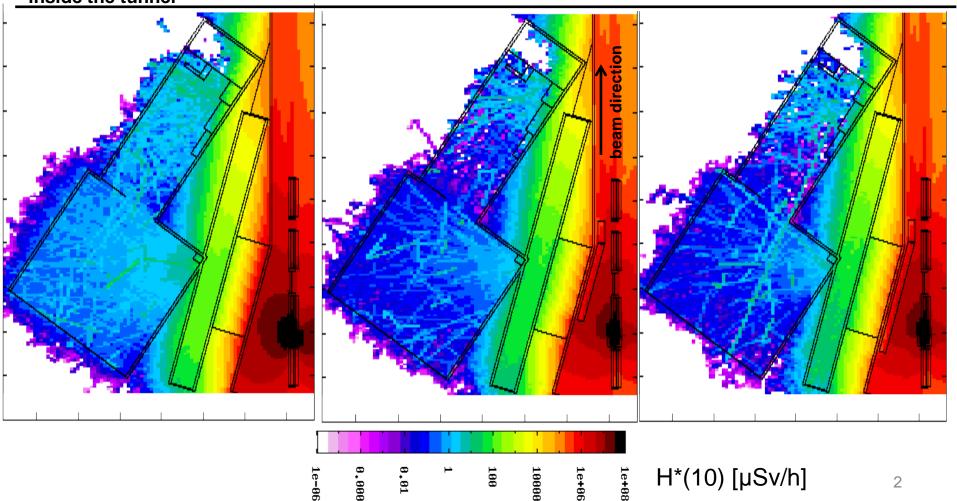
## Stray radiation map with and w/o supplementary walls inside the PS tunnel with dummy septum inside SS15

Linac3 side - source dummy septum 15

no local shielding around the dummy septum 15, no supplementary walls inside the tunnel

local shielding around the dummy septum 15, supplementary walls inside the tunnel

local shielding around the dummy septum 15, supplementary walls inside the PS tunnel extended by 4 m



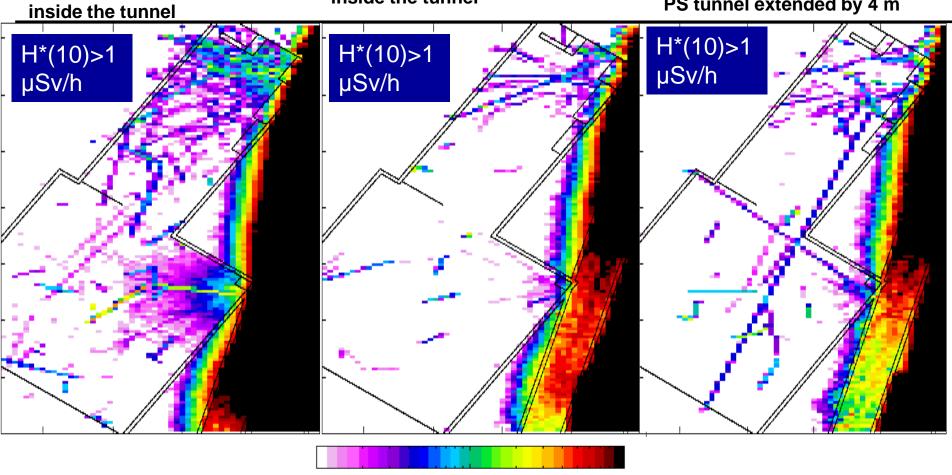
## Stray radiation map with and w/o supplementary walls inside the PS tunnel with dummy septum inside SS15

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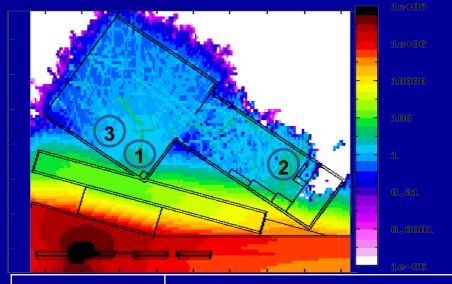
local shielding around the dummy septum 15, supplementary walls inside the tunnel

local shielding around the dummy septum 15, supplementary walls inside the PS tunnel extended by 4 m



H\*(10) [muSv/h]

## Ambient Dose-Eq Rates in 3 locations within the bld. of Linac3



source: dummy septum 15 in SS15

Location within the bld. of Linac3	w/o supplementary wall inside the PS tunnel, w/o local shielding around dummy septum	w present supplementary wall, w local shielding around dummy septum	w 4 m extension of the present wall, w local shielding around dummy septum
position 1 (close to PAXS14)	10 μSv/h	2.5 μSv/h	2.5 μSv/h
position 2 (region of PAXS11)	6.5 μSv/h	1.3 μSv/h	1.3 μSv/h
position 3	1.3 μSv/h	0.2 μSv/h	0.1 μSv/h