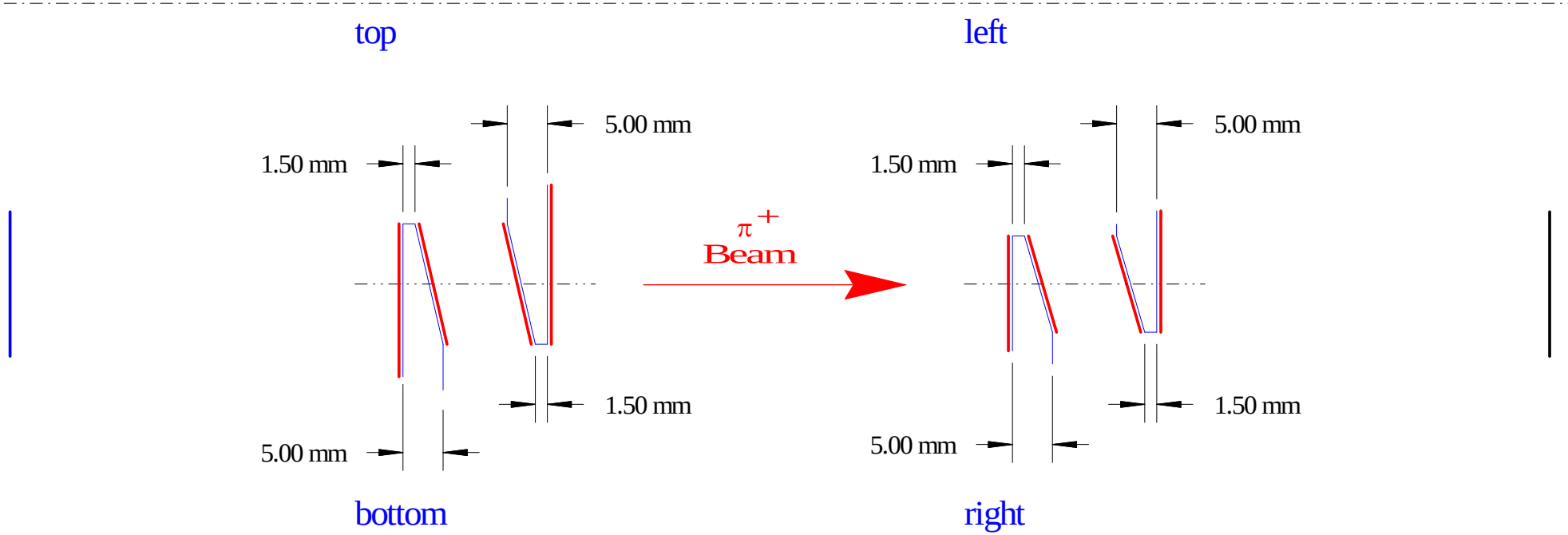
Total material budget:

1x | Thickness vacuum window: 75 µm +/-1 µm

+ 8x | Thickness of the wrapping: 216 µm +/-10 µm
(76 µm VM 2000 Foil + 2 x 70 µm Kapton)

+ 1x | Thickness of target window: 100 µm +/-5 µm
(76 µm VM 2000 Foil + 24 µm black paint)

+ 2x | Scintillator: 6.5 mm +/-0.1 mm



Vacuum window

Wedge degrader

Target window

Densities:

VM 2000 Foil	0,963	g/cm^3
Kapton	1,42	g/cm^3
Black Paint	2,10	g/cm^3

Scintillation Properties BC-408

Light Output, %Anthracene	64
Rise Time, ns	0,9
Decay Time, ns	2,1
Pulse Width, FWHM, ns	~2,5
Wavelength of Maximum Emission, nm	425
Bulk Light Attenuation Length, cm	380

Allgemeintoleranz DIN 7168-f (±0.1)

POS.	ZEICH_Nr.	ANZ.	BESCHREIBUNG	MATERIAL

Physik-Institut der Universität Zürich

PROJEKT/TITEL:
Degrader 2008
Overview

MASSTAB: | BLATT:

Bearb. | Datum | FILE: Degrader2008Geant\Ver4.xxx