ID10B OPTIC HUTCH

diamond [111] or [220]

mono-1

in 21.2°

mono E

out 22.0°

water cooling of the first crystal

chim1

ID10A
ID10C

Vac.

zm1

xm1

$\lambda = 12.398/E$

U27r ↔ U35r
U27
U35

FRONT END

undulators

beam size after the primary slit
0.5 × 1.0 mm2

Vac.

ampermeter in the control hutch

nA

diamond [111] or [220]

ion_m1

ion_m2

mono2

bf (beam finder)

trm2

chim2

zm2

ym2

xm2

pinholl
∅ 1mm

He

mono-2 and ionization chambers

z
x
y

fdmi2 (bending)

zmi2

dumi2 (bending)

chimi2

zmi1

opsvo

thmi2

xmi

a
b
c

opsvg

5
6

thmi1

chimi1

foil

optic primary slit (ops) and mirrors

z
x

osvo

oshg
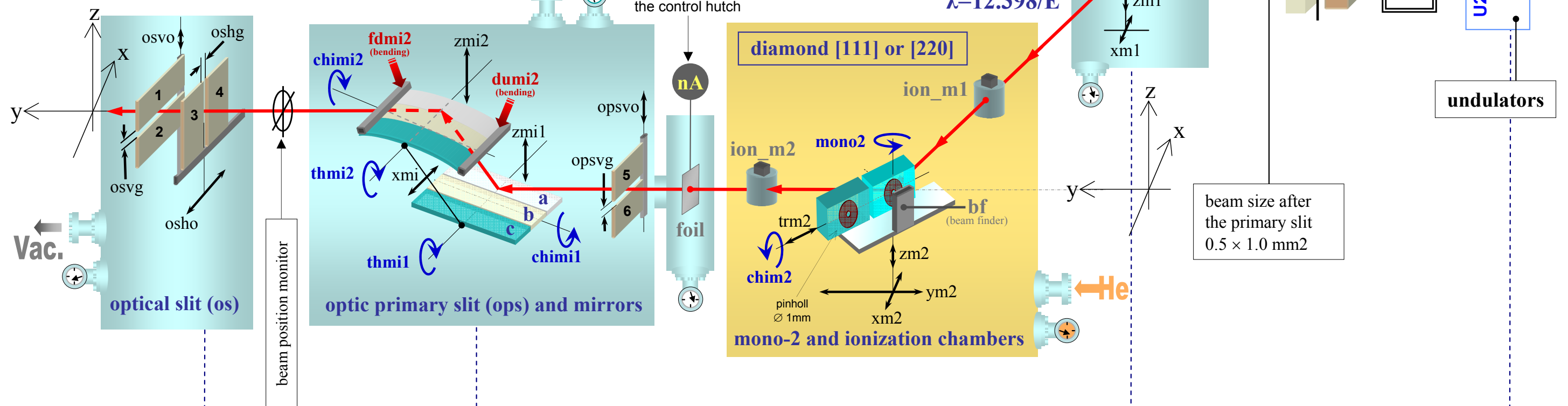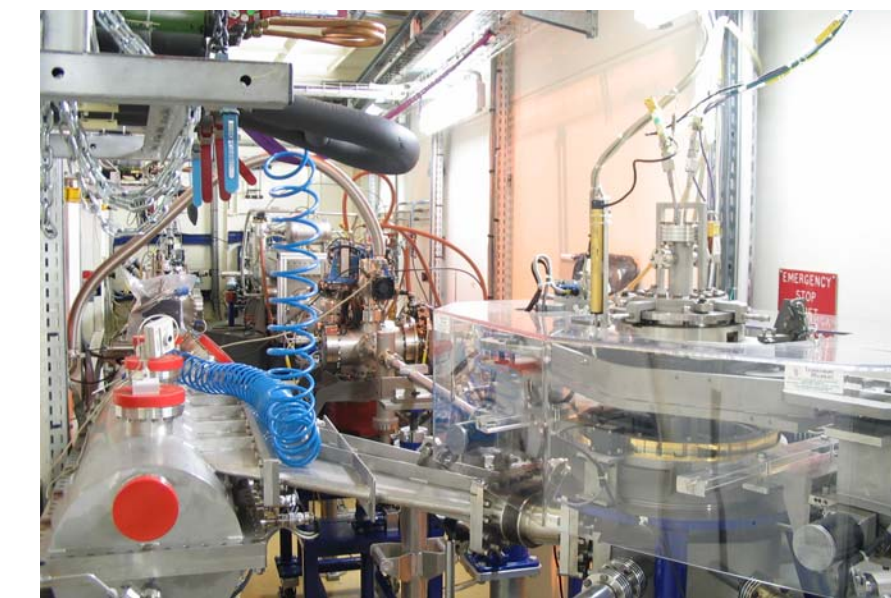
1
2
3
4

y

osvg

osho

Vac.

optical slit (os)

beam position monitor

OPTICAL SLIT

FOCUSING MIRROR

SECOND MONOCHROMATOR

PRIMARY SLIT

← 38.4 m ←
OPTICAL SLIT

← 34.5 m ←
MIRRORS

← 30.5 m ←
MONO

← 27 m ←
PS

← 26 m ←
FE

0 m
ID