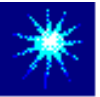
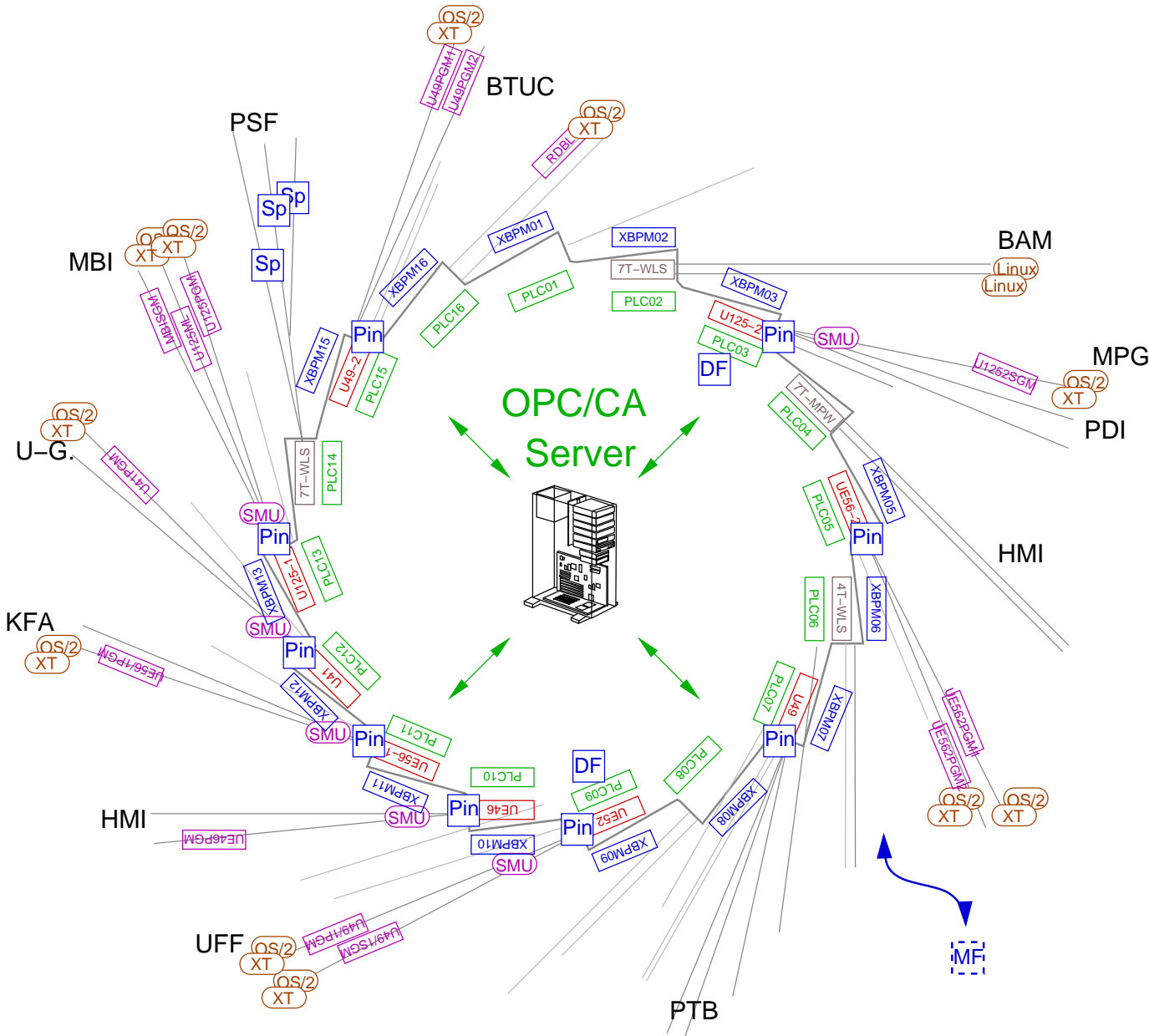


# Controls Inventory at BESSY Beamlines

Dietmar Herrendörfer

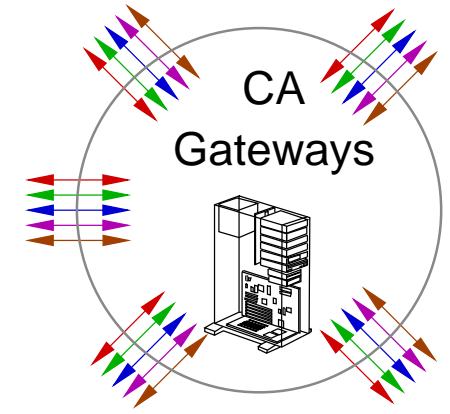
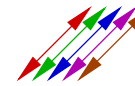
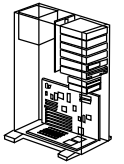
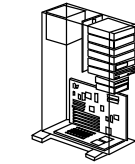


# Controls Inventory at BESSY Beamlines / Overview



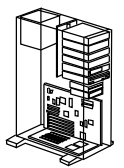
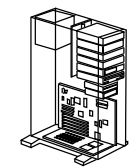
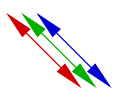
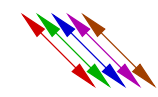
BL-Server

Development



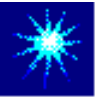
Machine Control-Sys.

CA Archiver

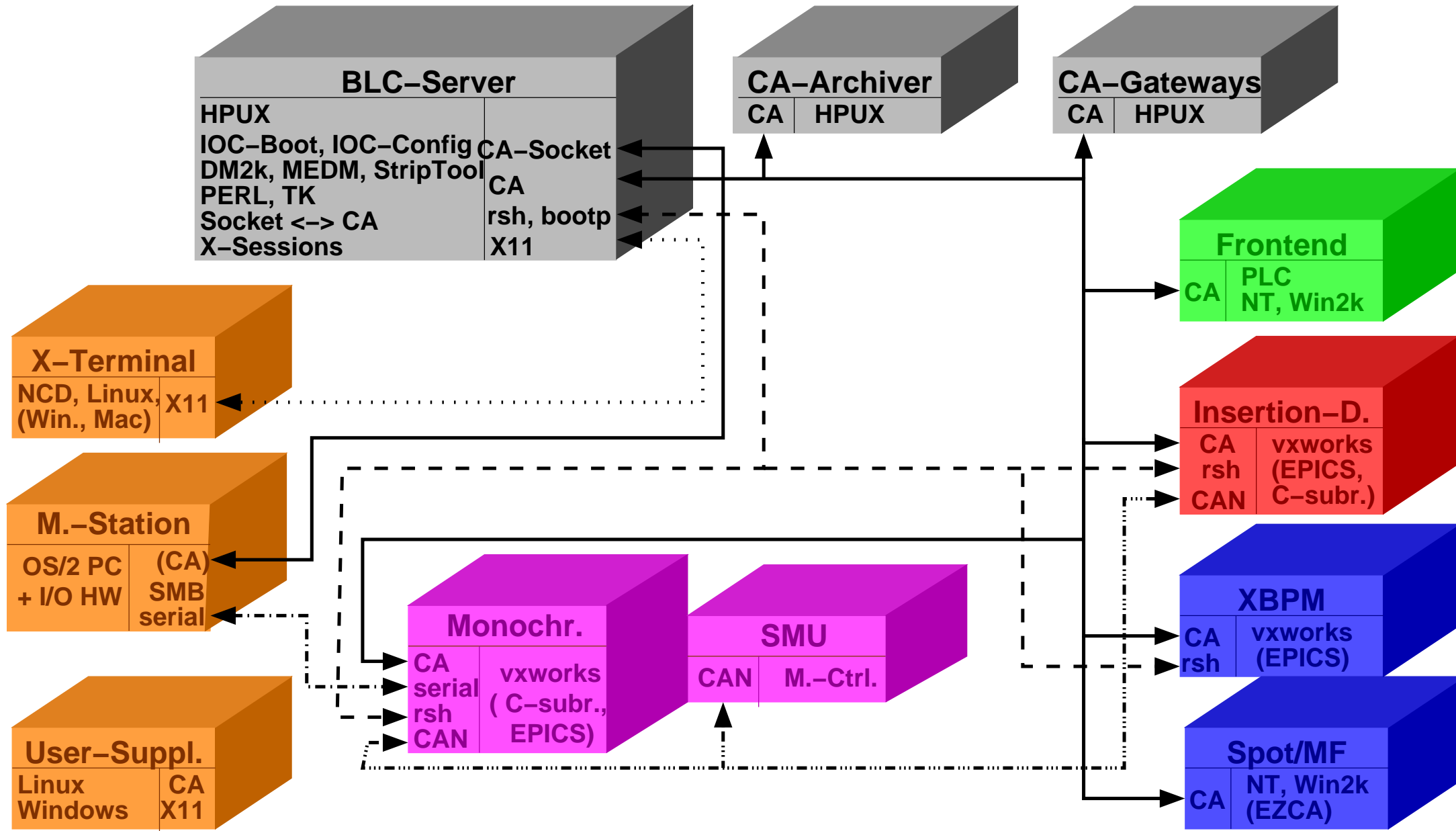


**IDs (Undulators)** **Frontend** **Beam-Diagnostics** **Optics** **User/Measurement**





# Controls Inventory at BESSY Beamlines / Beamline Controls

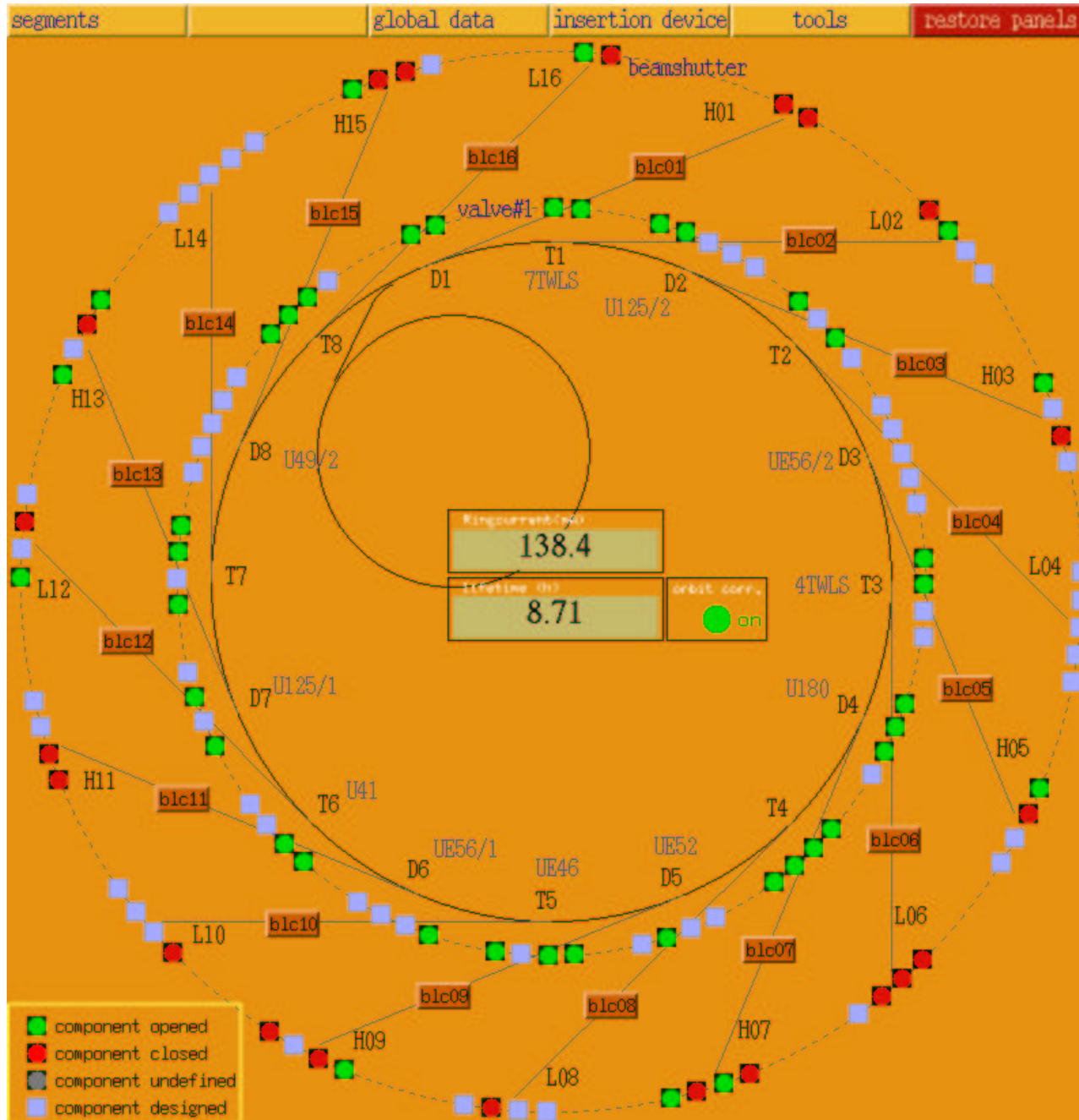


IDs (Undulators) Frontend Beam-Diagnostics Optics User/Measurement



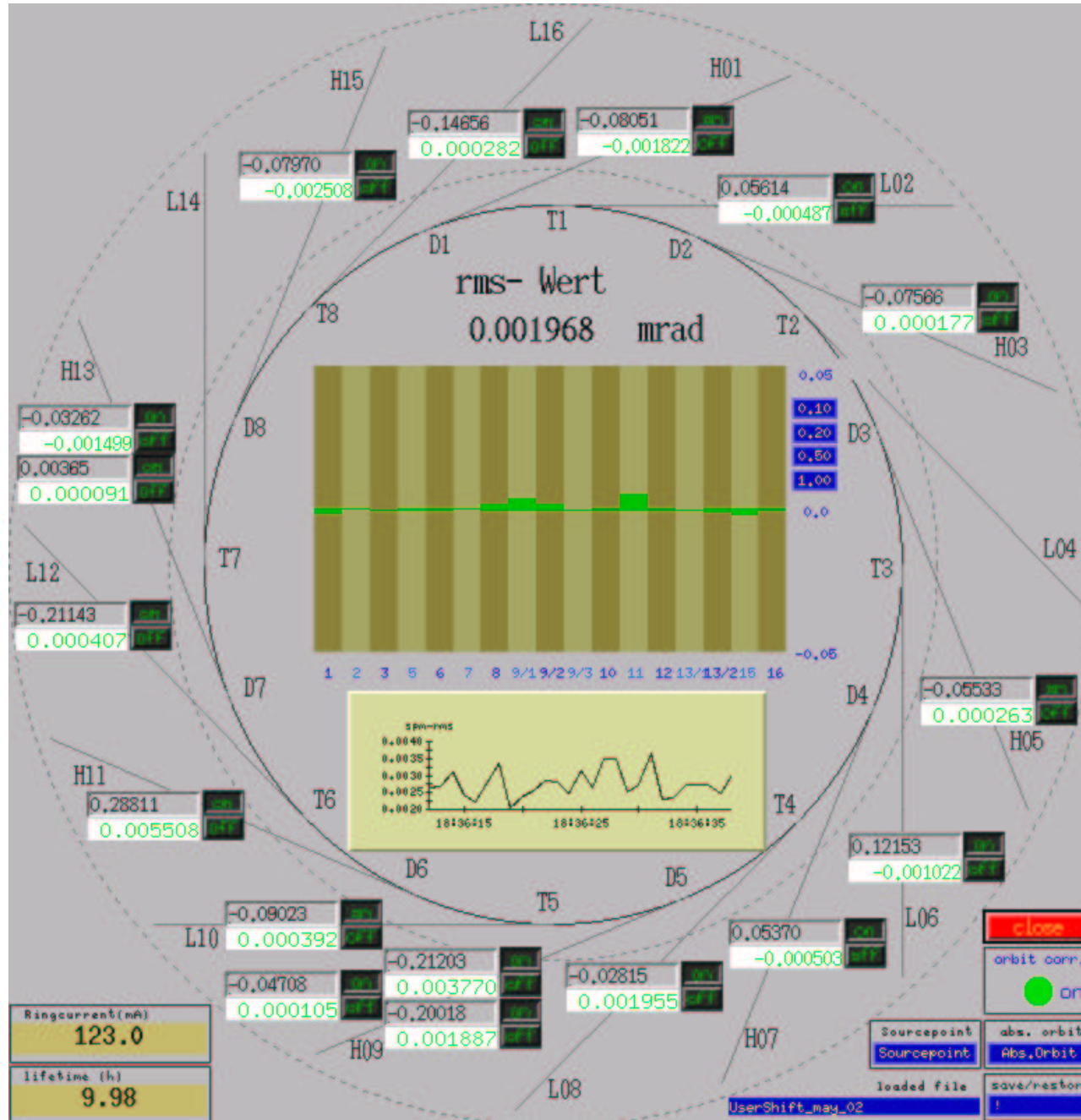


# Controls Inventory at BESSY Beamlines / Superpanel





# Controls Inventory at BESSY Beamlines / Orbit







# Controls Inventory at BESSY Beamlines / IDSUM-Panel

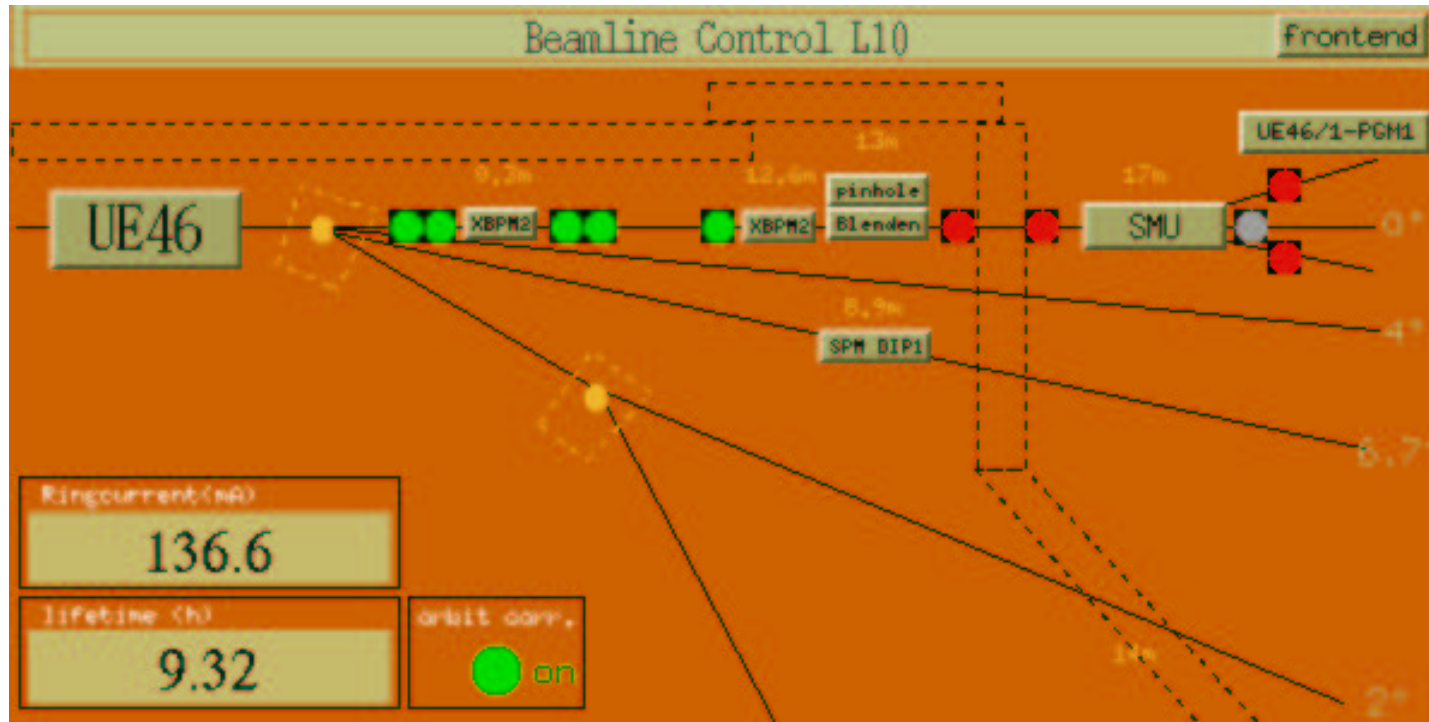


ID	Error	Status	Pos. A (DS)	Pos. C (US)	HOME	Lock						
3	U125/2	● Stop	65.960									
5	UE56/2 Gap	● Stop	17.019	150.001								
	UE56/2 Shift	● Stop	0.000	0.000								
	UE56/2 Modulator	● Stop		-0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	UE56/2 Chicane				<input type="checkbox"/>	<input checked="" type="checkbox"/>						
7	U49/1	● Stop	17.099									
9	UE52 Gap	● Stop	54.439									
	UE52 Shift	● Stop	0.000	0.000								
10	UE46 Gap	● Stop	150.000			●						
	UE46 Shift	● Stop	-0.000	0.000								
11	UE56/1 Gap	● Stop	32.345	150.000								
	UE56/1 Shift	● Stop	0.000	0.000								
	UE56/1 Modulator	● Stop		0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	UE56/1 Chicane				<input type="checkbox"/>	<input checked="" type="checkbox"/>						
12	U41	● Stop	15.500									
13	U125/1	● Stop	71.398									
15	U49/2	● Stop	25.440									
<input type="button" value="All Positions"/>			<table border="1"> <tr> <td>orbit corr.</td> <td>current /mA</td> <td>life time /h</td> </tr> <tr> <td>● on</td> <td>137.7</td> <td>8.79</td> </tr> </table>				orbit corr.	current /mA	life time /h	● on	137.7	8.79
orbit corr.	current /mA	life time /h										
● on	137.7	8.79										





# Controls Inventory at BESSY Beamlines / User-Panel (Segment 10)





## Undulator Ue46

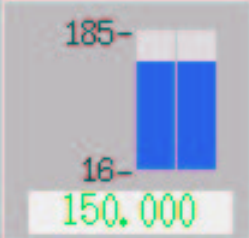
ID mode parallel local

1st harmonic 594.141 eV  
(at shift = 0 mm)

---

**Destination-Gap:** Command:

[mm]



actual gap [mm]: 150.000

return position: 150.000

gap velocity

Error Lock

●  ●

Status: Stop

Error: None

---

**Destination-Shift:** Command:

[mm]

actual shift [mm]: -0.000

-23 | 23

-23 | 23

actual shift [mm]: 0.000

shift velocity

Error

●

Status: Stop

Error: None







## UE461PGM1

CFF-Value

LineDensity

left to do:

in EMP: Reset Mono

in GK: change grating

CONFIGURE MONO

### experts

Select Tablest:

Harmonic

Mono drive table

ControlDeviation (arcsec)

reference  
marker

motor 1  
motor 2

reference

restore:

## XBPML10F1T5L

XBPML10F1T5L :asymhor

-1.0000    0.1067    1.0000

XBPML10F1T5L :asymver

-1.0000    -0.5088    1.0000

