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**Magnets and Power Supplies Nomenclature**  
**for the Preliminary Phase of CTF3**

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**Abstract**

This note gives the nomenclature of the magnets and the power supplies for the Preliminary Phase of CTF3 (CLIC Test Facility 3). Most of the hardware elements were used in the former LPI (LEP Pre-Injector) complex and the correspondence between the former names and the new names is given to allow tracing the magnets and the power supplies during the transition from LPI to CTF3.

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# 1- INTRODUCTION

The following lists are divided according to the different parts of the CTF3 machine where the former names of the LPI complex are still valid: the front-end, the linac (WL, Linac W), the injection line (HIE, Hippodrome Injection for Electrons), the ring (EPA, Electron Positron Accumulator), the ejection line (HEE, Hippodrome Ejection Line), and the dump line (HIP, Hippodrome Injection for Positrons). The order of the lists is following the beam path and, for each part, the format is the following:

### For the magnets nomenclature:

- the first column is the former name of the magnet.
- the second column indicates "remains" if the name of the magnet stays the same and "becomes" if the name is changed. This column does not give any information on whether the magnet is moved or not.
- the third column shows the official name of the magnet for the Preliminary Phase of CTF3.
- the fourth column, if existing, indicates whether the magnet is physically moved in the machine between the LPI configuration and the CTF3 configuration. The word "new" in this column indicates that the magnet is added in the new configuration.

### For the power supplies nomenclature:

- the same principles as above apply for the first three columns. In the second column, the word "new" means that the power supply is either built dedicatedly or taken from the spares.
- the fourth column gives the name of the magnet(s) that are powered by the power supply. More than one magnet name is possible when the magnets are powered in series.

In the whole CTF3 Preliminary Phase complex, the number of hardware equipment is distributed as shown in Table 1.

Solenoids	6
Main Dipoles	23
Quadrupoles	99
Sextupoles	12
Corrector Dipoles	38
Bumpers	4
Septa	4
Kickers	3
Power Supplies	98

Table 1: Hardware equipment in the CTF3 Preliminary Phase.

## 2 - MAGNETS NOMENCLATURE

### *Magnets in the Front-End (WL)*

Old Name		New Name	
VL.SNA 01	<i>becomes</i>	WL.SNA 25	MOVED
VL.SNB 02	<i>becomes</i>	WL.SNB 25	MOVED
VL.SNC 02.1	<i>becomes</i>	WL.SNC 25.1	MOVED
VL.SNC 02.2	<i>becomes</i>	WL.SNC 25.2	MOVED
VL.DHZ 01	<i>becomes</i>	WL.DHZ 25	MOVED
VL.DVT 01	<i>becomes</i>	WL.DVT 25	MOVED
VL.SNC 03	<i>becomes</i>	WL.SNC 26	MOVED
VL.SNW 04	<i>becomes</i>	WL.SNW 26	MOVED
VL.DHZ 02	<i>becomes</i>	WL.DHZ 26	MOVED
VL.DVT 02	<i>becomes</i>	WL.DVT 26	MOVED
VL.SNF 11	<i>becomes</i>	WL.SNF 26	MOVED
VL.QSA 11.1	<i>becomes</i>	WL.QSA 27.1	MOVED
VL.QLA 11	<i>becomes</i>	WL.QLA 27	MOVED
VL.DQL 11V	<i>becomes</i>	WL.DQL 27V	MOVED
VL.QSA 11.2	<i>becomes</i>	WL.QSA 27.2	MOVED
VL.DQS 11.2H	<i>becomes</i>	WL.DQS 27.2H	MOVED

## ***Magnets in the Linac (WL)***

<b>Old Name</b>		<b>New Name</b>
WL.QNM 27.1	remains	WL.QNM 27.1
WL.QNM 27.2	remains	WL.QNM 27.2
WL.QNM 27.3	remains	WL.QNM 27.3
WL.DQNM 27.3V	remains	WL.DQNM 27.3V
WL.QNF 27.1	remains	WL.QNF 27.1
WL.DQNF 27.1H	remains	WL.DQNF 27.1H
WL.QNF 27.2	remains	WL.QNF 27.2
WL.QNF 27.3	remains	WL.QNF 27.3
WL.QNF 27.4	remains	WL.QNF 27.4
WL.DQNF 27.4V	remains	WL.DQNF 27.4V
WL.QLB 28	remains	WL.QLB 28
WL.DQL 28H	remains	WL.DQL 28H
WL.QNF 28.1	remains	WL.QNF 28.1
WL.QNF 28.2	remains	WL.QNF 28.2
WL.QNF 28.3	remains	WL.QNF 28.3
WL.DQNF 28.3V	remains	WL.DQNF 28.3V
WL.QNF 28.4	remains	WL.QNF 28.4
WL.DQNF 28.4H	remains	WL.DQNF 28.4H
WL.QNF 28.5	remains	WL.QNF 28.5
WL.QLB 29	remains	WL.QLB 29
WL.DQL 29H	remains	WL.DQL 29H
WL.QNF 29.1	remains	WL.QNF 29.1
WL.DQNF 29.1V	remains	WL.DQNF 29.1V
WL.QNF 29.2	remains	WL.QNF 29.2
WL.DQNF 29.2H	remains	WL.DQNF 29.2H
WL.QNF 29.3	remains	WL.QNF 29.3
WL.QNF 29.4	remains	WL.QNF 29.4
WL.QNF 30.1	remains	WL.QNF 30.1
WL.DQNF 30.1V	remains	WL.DQNF 30.1V
WL.QNF 30.2	remains	WL.QNF 30.2
WL.DQNF 30.2H	remains	WL.DQNF 30.2H
WL.QNF 30.3	remains	WL.QNF 30.3
WL.QNF 31.1	remains	WL.QNF 31.1

WL.QNF 31.2	remains	WL.QNF 31.2	
WL.DQNF 31.2V	remains	WL.DQNF 31.2V	
WL.QNF 31.3	remains	WL.QNF 31.3	
WL.DQNF 31.3H	remains	WL.DQNF 31.3H	
WL.QNF 32.1	remains	WL.QNF 32.1	
WL.QNF 32.2	remains	WL.QNF 32.2	
WL.QNF 32.3	remains	WL.QNF 32.3	
WL.DQNF 32.3V	remains	WL.DQNF 32.3V	
WL.QNF 33.1	remains	WL.QNF 33.1	
WL.DQNF 33.1H	remains	WL.DQNF 33.1H	
WL.QNF 33.2	remains	WL.QNF 33.2	
WL.QNF 33.3	remains	WL.QNF 33.3	
WL.QNF 34.1	remains	WL.QNF 34.1	
WL.DQNF 34.1V	remains	WL.DQNF 34.1V	
WL.QNF 34.2	remains	WL.QNF 34.2	
WL.DQNF 34.2H	remains	WL.DQNF 34.2H	
WL.QNF 34.3	remains	WL.QNF 34.3	
WL.QNF 35.1	remains	WL.QNF 35.1	MOVED
WL.QNF 35.2	remains	WL.QNF 35.2	MOVED
	<i>NEW</i>	WL.DQNF 35.2H	MOVED
WL.QNF 36.1	<i>becomes</i>	WL.QNF 35.3	MOVED
WL.DQNF 36.1V	<i>becomes</i>	WL.DQNF 35.3V	MOVED
HSE.BHZ 01	<i>becomes</i>	WL.BHZ 36	MOVED
WL.QNF 36.2	<i>becomes</i>	WL.QNF 37.1	MOVED
WL.DQNF 36.2H	<i>becomes</i>	WL.DQNF 37.1H	MOVED
WL.QNM 36	<i>becomes</i>	WL.QNF 37.2	MOVED
	<i>NEW</i>	WL.DQNF 37.2V	MOVED
HI.BSH 00	remains	HI.BSH 00	

## ***Magnets in the Injection Line (HIE)***

Old Name		New Name	
HI.BSH 00	<i>remains</i>	HI.BSH 00	
HIE.BVT 00	<i>remains</i>	HIE.BVT 00	
HIP.QFW 22	<i>becomes</i>	HIE.QFW 01	NEW and MOVED
HIE.BHZ 10	<i>remains</i>	HIE.BHZ 10	
HIE.QFW 11	<i>becomes</i>	HIE.QDW 11	MOVED
HIE.BHZ 20	<i>remains</i>	HIE.BHZ 20	
HIE.QDW 21	<i>becomes</i>	HIE.QFW 21	MOVED
HIE.QFW 22	<i>becomes</i>	HIE.QDW 22	MOVED
HIE.QDW 23	<i>becomes</i>	HIE.QFW 23	MOVED
HIE.QFW 24	<i>becomes</i>	HIE.QDW 24	MOVED
HIE.DHZ 25	<i>remains</i>	HIE.DHZ 25	
HIE.QFW 26	<i>becomes</i>	HIE.QFW 25	MOVED
HIE.BHZ 30	<i>remains</i>	HIE.BHZ 30	
HIE.QDW 25	<i>becomes</i>	HIE.QFW 30	MOVED
HIE.BVT 30	<i>remains</i>	HIE.BVT 30	
HIE.SMH 31	<i>remains</i>	HIE.SMH 31	
HIE.SMH 32	<i>remains</i>	HIE.SMH 32	

## ***Magnets in the Ring (EPA)***

<b>Old Name</b>		<b>New Name</b>	
HR.QFW 02	remains	HR.QFW 02	
HR.BHZ 02	remains	HR.BHZ 02	
HR.QTR 03	remains	HR.QTR 03	
HR.XNV 03	remains	HR.XNV 03	MOVED
HR.BHZ 04	remains	HR.BHZ 04	
HR.QFL 04	remains	HR.QFL 04	
HR.XNH 05	remains	HR.XNH 05	
HR.QFL 06	remains	HR.QFL 06	
HR.BHZ 06	remains	HR.BHZ 06	
HR.XNV 07	remains	HR.XNV 07	MOVED
HR.QTR 07	remains	HR.QTR 07	
HR.BHZ 08	remains	HR.BHZ 08	
HR.QFW 08	becomes	HR.QFW 11	MOVED
HR.DHZ 11	remains	HR.DHZ 11	
HR.KFI 11	becomes	HR.KFE 11	
HR.QFN 12	remains	HR.QFN 12	
HR.BSW 12	remains	HR.BSW 12	
HR.QDN 12	remains	HR.QDN 12	
HR.DVT 13	remains	HR.DVT 13	
HR.QDN 14	remains	HR.QDN 14	
HR.QFI 14	remains	HR.QFI 14	
HIP.SMH 32	becomes	HEE.SMH 00	
HIP.SMH 31	becomes	HEE.SMH 01	
HR.QFI 22	remains	HR.QFI 22	
HR.QDN 22	remains	HR.QDN 22	
HR.DVT 23	remains	HR.DVT 23	
HR.QDN 24	remains	HR.QDN 24	
HR.QFN 24	remains	HR.QFN 24	



Old Name		New Name	
HR.QFN 32	remains	HR.QFN 32	
HR.BSW 32	remains	HR.BSW 32	
HR.QDN 32	remains	HR.QDN 32	
HR.QDN 34	remains	HR.QDN 34	
HR.QFN 34	remains	HR.QFN 34	
HR.DHZ 35	remains	HR.DHZ 35	
HR.QFW 42	becomes	HR.QFW 41	MOVED
HR.BHZ 42	remains	HR.BHZ 42	
HR.QTR 43	remains	HR.QTR 43	
HR.XNV 43	remains	HR.XNV 43	MOVED
HR.BHZ 44	remains	HR.BHZ 44	
HR.QFL 44	remains	HR.QFL 44	
HR.XNH 45	remains	HR.XNH 45	
HR.QFL 46	remains	HR.QFL 46	
HR.BHZ 46	remains	HR.BHZ 46	
HR.XNV 47	remains	HR.XNV 47	MOVED
HR.QTR47	remains	HR.QTR47	
HR.BHZ 48	remains	HR.BHZ 48	
HR.QFW 48	remains	HR.QFW 48	
HR.QFW 52	remains	HR.QFW 52	
HR.BHZ 52	remains	HR.BHZ 52	
HR.QTR 53	remains	HR.QTR 53	
HR.XNV 53	remains	HR.XNV 53	MOVED
HR.BHZ 54	remains	HR.BHZ 54	
HR.QFL 54	remains	HR.QFL 54	
HR.XNH 55	remains	HR.XNH 55	
HR.QFL 56	remains	HR.QFL 56	
HR.BHZ 56	remains	HR.BHZ 56	
HR.XNV 57	remains	HR.XNV 57	MOVED
HR.QTR57	remains	HR.QTR57	
HR.BHZ 58	remains	HR.BHZ 58	
HR.QFW 58	becomes	HR.QFW 61	MOVED
		HR.DHZ 61	NEW

Old Name		New Name	
HR.QFN 62	remains	HR.QFN 62	
HR.QDN 62	remains	HR.QDN 62	
HR.QDN 64	remains	HR.QDN 64	
HR.BSW 71	<i>becomes</i>	HR.BSW 64	MOVED
HR.QFN 64	remains	HR.QFN 64	
HR.KFI 71	remains	HR.KFI 71	
HR.QFN 72	remains	HR.QFN 72	
HR.QDN 72	remains	HR.QDN 72	
HR.QDN 74	remains	HR.QDN 74	
HR.QFI 74	remains	HR.QFI 74	
HI E.SMH 31	remains	HI E.SMH 31	
HI E.SMH 32	remains	HI E.SMH 32	
HR.QFI 82	remains	HR.QFI 82	
HR.QDN 82	remains	HR.QDN 82	
HR.QDN 84	remains	HR.QDN 84	
HR.BSW 91	<i>becomes</i>	HR.BSW 84	MOVED
HR.QFN 84	remains	HR.QFN 84	
HR.KFI 91	remains	HR.KFI 91	
		HR.DHZ 91	NEW
HR.QFW 92	<i>becomes</i>	HR.QFW 91	
HR.BHZ 92	remains	HR.BHZ 92	
HR.QTR 93	remains	HR.QTR 93	
HR.XNV 93	<i>remains</i>	HR.XNV 93	MOVED
HR.BHZ 94	remains	HR.BHZ 94	
HR.QFL 94	remains	HR.QFL 94	
HR.XNH 95	remains	HR.XNH 95	
HR.QFL 96	remains	HR.QFL 96	
HR.BHZ 96	remains	HR.BHZ 96	
HR.XNV 97	<i>remains</i>	HR.XNV 97	MOVED
HR.QTR 97	remains	HR.QTR 97	
HR.BHZ 98	remains	HR.BHZ 98	
HR.QFW 98	remains	HR.QFW 98	

### ***Magnets in the Ejection Line (HEE)***

<b>Old Name</b>		<b>New Name</b>
HIP.SMH 32	<i>becomes</i>	HEE.SMH 00
HIP.SMH 31	<i>becomes</i>	HEE.SMH 01
HIP.BVT 30	<i>becomes</i>	HEE.BVT 01
HIP.BHZ 30	<i>becomes</i>	HEE.BHZ 02
HIP.QFW 26	<i>becomes</i>	HEE.QFW 03
HIP.DHZ 25	<i>becomes</i>	HEE.DHZ 04

### ***Magnets in the Dump Line (HIP)***

<b>Old Name</b>		<b>New Name</b>
HIP.BVT 00	<i>remains</i>	HIP.BVT 00

### 3 - POWER SUPPLIES NOMENCLATURE

#### *Power Supplies in the Front-End (WL)*

Power Supply Old Name		Power Supply New Name	Magnets
VL.SNA 01	<i>becomes</i>	WL.SNA 25	WL.SNA 25
VL.SNB 02	<i>becomes</i>	WL.SNB 25	WL.SNB 25
VL.SNC 02	<i>becomes</i>	WL.SNC 25	WL.SNC 25.1
			WL.SNC 25.2
WL.DVG 25.2	<i>becomes</i>	WL.DHZ 25	WL.DHZ 25
WL.DHG 26.1	<i>becomes</i>	WL.DVT 25	WL.DVT 25
VL.SNC 03	<i>becomes</i>	WL.SNC 26	WL.SNC 26
VL.SNW 04	<i>becomes</i>	WL.SNW 26	WL.SNW 26
WL.DVG 26.1	<i>becomes</i>	WL.DHZ 26	WL.DHZ 26
WL.DHG 26.2	<i>becomes</i>	WL.DVT 26	WL.DVT 26
VL.SNF 11	<i>becomes</i>	WL.SNF 26	WL.SNF 26
WL.QLA 27.1	<i>becomes</i>	WL.QSA 27.1	WL.QSA 27.1
WL.DVG 26.2	<i>becomes</i>	WL.QLA 27	WL.QLA 27
VL.DQL 27V	<i>becomes</i>	WL.DQL 27V	WL.DQL 27V
WL.QLA 27.2	<i>becomes</i>	WL.QSA 27.2	WL.QSA 27.2
VL.DQS 27.2H	<i>becomes</i>	WL.DQS 27.2H	WL.DQS 27.2H

## Power Supplies in the Linac (WL)

Power Supply Old Name		Power Supply New Name	Magnets
WL.QNM 27.1	remains	WL.QNM 27.1	WL.QNM 27.1
WL.QNM 27.2	remains	WL.QNM 27.2	WL.QNM 27.2
WL.QNM 27.3	remains	WL.QNM 27.3	WL.QNM 27.3
WL.DQNM 27.3V	remains	WL.DQNM 27.3V	WL.DQNM 27.3V
WL.QNFA	remains	WL.QNFA	WL.QNF 27.1
			WL.QNF 27.2
			WL.QNF 27.3
			WL.QNF 27.4
			WL.QNF 28.1
			WL.QNF 28.2
			WL.QNF 28.3
			WL.QNF 28.4
			WL.QNF 28.5
WL.DQNF 27.1H	remains	WL.DQNF 27.1H	WL.DQNF 27.1H
WL.DQNF 27.4V	remains	WL.DQNF 27.4V	WL.DQNF 27.4V
WL.QLB 2829	becomes	WL.QLB 28	WL.QLB 28
WL.DQL 28H	remains	WL.DQL 28H	WL.DQL 28H
WL.DQNF 28.3V	remains	WL.DQNF 28.3V	WL.DQNF 28.3V
WL.DQNF 28.4H	remains	WL.DQNF 28.4H	WL.DQNF 28.4H
VL.QLB 1514	becomes	WL.QLB 29	WL.QLB 29
WL.DQL 29H	remains	WL.DQL 29H	WL.DQL 29H
WL.QNFB	remains	WL.QNFB	WL.QNF 29.1
			WL.QNF 29.2
			WL.QNF 29.3
			WL.QNF 29.4
			WL.QNF 30.1
			WL.QNF 30.2
			WL.QNF 30.3
			WL.QNF 31.1
			WL.QNF 31.2
			WL.QNF 31.3
			WL.QNF 32.1

WL.DQNF 29.1V	remains	WL.DQNF 29.1V	WL.DQNF 29.1V
WL.DQNF 29.2H	remains	WL.DQNF 29.2H	WL.DQNF 29.2H
WL.DQNF 30.1V	remains	WL.DQNF 30.1V	WL.DQNF 30.1V
WL.DQNF 30.2H	remains	WL.DQNF 30.2H	WL.DQNF 30.2H
WL.DQNF 31.2V	remains	WL.DQNF 31.2V	WL.DQNF 31.2V
WL.DQNF 31.3H	remains	WL.DQNF 31.3H	WL.DQNF 31.3H
WL.QNFC	remains	WL.QNFC	WL.QNF 32.2
			WL.QNF 32.3
			WL.QNF 33.1
			WL.QNF 33.2
			WL.QNF 33.3
			WL.QNF 34.1
			WL.QNF 34.2
			WL.QNF 34.3
WL.DQNF 32.3V	remains	WL.DQNF 32.3V	WL.DQNF 32.3V
WL.DQNF 33.1H	remains	WL.DQNF 33.1H	WL.DQNF 33.1H
WL.DQNF 34.1V	remains	WL.DQNF 34.1V	WL.DQNF 34.1V
WL.DQNF 34.2H	remains	WL.DQNF 34.2H	WL.DQNF 34.2H
	<i>NEW</i>	WL.QNF 35.1	WL.QNF 35.1
	<i>NEW</i>	WL.QNF 35.2	WL.QNF 35.2
VL.DQL 15.2H	<i>becomes</i>	WL.DQNF 35.2H	WL.DQNF 35.2H
HTP.QFW 21	<i>becomes</i>	WL.QNF 35.3	WL.QNF 35.3
WL.DQNF 36.1V	<i>becomes</i>	WL.DQNF 35.3V	WL.DQNF 35.3V
WL.SNL 26	<i>becomes</i>	WL.BHZ 36	WL.BHZ 36
WL.QNM 37	<i>becomes</i>	WL.QNF 37.1	WL.QNF 37.1
WL.DQNF 36.2H	<i>becomes</i>	WL.DQNF 37.1H	WL.DQNF 37.1H
WL.QNM 36	<i>becomes</i>	WL.QNF 37.2	WL.QNF 37.2
VL.DQL 15.3V	<i>becomes</i>	WL.DQNF 37.2V	WL.DQNF 37.2V
HI.BSH 00	remains	HI.BSH 00	HI.BSH 00

## Power Supplies in the Injection Line (HIE)

Power Supply Old Name		Power Supply New Name	Magnets
HI.BSH 00	remains	HI.BSH 00	HI.BSH 00
HI.BVT 00	remains	HI.BVT 00	HIE.BVT 00
			HIP.BVT 00
	<i>NEW</i>	HIE.QFW 01	HIE.QFW 01
HI.BHZ	remains	HI.BHZ	HIE.BHZ 10
			HIE.BHZ 20
			HIE.BHZ 30
			HIP.BHZ 10 (*)
			HIP.BHZ 20 (*)
	<i>NEW</i>	HIE.QDW 11	HIE.QDW 11
	<i>NEW</i>	HIE.QFW 21	HIE.QFW 21
HI.QFD 1	<i>becomes</i>	HIE.QDW 22	HIE.QDW 22
	<i>NEW</i>	HIE.QFW 23	HIE.QFW 23
HTE.QDW 22	<i>becomes</i>	HIE.QDW 24	HIE.QDW 24
HIE.DHZ 25	remains	HIE.DHZ 25	HIE.DHZ 25
HTE.QFW 21	<i>becomes</i>	HIE.QFW 25	HIE.QFW 25
HI.QFD 2	<i>becomes</i>	HIE.QFW 30	HIE.QFW 30
HI.BVT 30	remains	HI.BVT 30	HIE.BVT 30
HIE.SMH 33	remains	HIE.SMH 33	HIE.SMH 31
			HIE.SMH 32

HIE Line share  
one common  
power supply  
with HIP Line

HIE Line share  
one common  
power supply  
with HIP Line

(\*) Not used for beam but only for power supply regulation

## ***Power Supplies in the Ring (EPA)***

<b>Power Supply Old Name</b>		<b>Power Supply New Name</b>	<b>Magnets</b>
HR.BHZ	<i>remains</i>	HR.BHZ	HR.BHZ 02
			HR.BHZ 04
			HR.BHZ 06
			HR.BHZ 08
			HR.BHZ 42
			HR.BHZ 44
			HR.BHZ 46
			HR.BHZ 48
			HR.BHZ 52
			HR.BHZ 54
			HR.BHZ 56
			HR.BHZ 58
			HR.BHZ 92
			HR.BHZ 94
			HR.BHZ 96
			HR.BHZ 98
HR.QFW	<i>becomes</i>	HR.QFWa	HR.QFW 02
			HR.QFW 48
			HR.QFW 52
			HR.QFW 98
HR.QTR	<i>becomes</i>	HR.QTRa	HR.QTR 03
			HR.QTR 47
			HR.QTR 53
			HR.QTR 97



Power Supply Old Name		Power Supply New Name	Magnets
HR.XNV	<i>becomes</i>	HR.XNVa	HR.XNV 03
			HR.XNV 47
			HR.XNV 53
			HR.XNV 97
HR.QFL	<i>becomes</i>	HR.QFLa	HR.QFL 04
			HR.QFL 46
			HR.QFL 54
			HR.QFL 96
HR.XNH	<i>remains</i>	HR.XNH	HR.XNH 05
			HR.XNH 45
			HR.XNH 55
			HR.XNH 95
	<i>NEW</i>	HR.QFWb	HR.QFW 11
			HR.QFW 41
			HR.QFW 61
			HR.QFW 91
	<i>NEW</i>	HR.QTRb	HR.QTR 07
			HR.QTR 43
			HR.QTR 57
			HR.QTR 93
	<i>NEW</i>	HR.XNVb	HR.XNV 07
			HR.XNV 43
			HR.XNV 57
			HR.XNV 93
	<i>NEW</i>	HR.QFLb	HR.QFL 06
			HR.QFL 44
			HR.QFL 56
			HR.QFL 94

Power Supply Old Name		Power Supply New Name	Magnets
HR.DHZ 61	<i>becomes</i>	HR.DHZ 11	HR.DHZ 11
HR.DHZ 91	<i>becomes</i>	HR.DHZ 35	HR.DHZ 35
WL.DHG 25.1	<i>becomes</i>	HR.DHZ 61	HR.DHZ 61
WL.DVG 25.1	<i>becomes</i>	HR.DHZ 91	HR.DHZ 91
HR.DVT 13	<i>remains</i>	HR.DVT 13	HR.DVT 13
HR.DVT 23	<i>remains</i>	HR.DVT 23	HR.DVT 23
HR.QFN	<i>remains</i>	HR.QFN	HR.QFN 12
			HR.QFN 24
			HR.QFN 32
			HR.QFN 34
			HR.QFN 62
			HR.QFN 64
			HR.QFN 72
			HR.QFN 84
HR.QFI	<i>remains</i>	HR.QFI	HR.QFI 14
			HR.QFI 22
			HR.QFI 74
			HR.QFI 82
HR.QDN	<i>remains</i>	HR.QDN	HR.QDN 12
			HR.QDN 14
			HR.QDN 22
			HR.QDN 24
			HR.QDN 32
			HR.QDN 34
			HR.QDN 62
			HR.QDN 64
			HR.QDN 72
			HR.QDN 74
			HR.QDN 82
			HR.QDN 84

<b>Power Supply Old Name</b>		<b>Power Supply New Name</b>	<b>Magnets</b>
HR.BSW 12	<i>remains</i>	HR.BSW 12	HR.BSW 12
HR.BSW 32	<i>remains</i>	HR.BSW 32	HR.BSW 32
HR.BSW 71	<i>becomes</i>	HR.BSW 64	HR.BSW 64
HR.BSW 91	<i>becomes</i>	HR.BSW 84	HR.BSW 84
HR.KFI 11	<i>becomes</i>	HR.KFE 11	HR.KFE 11
HR.KFI 71	<i>remains</i>	HR.KFI 71	HR.KFI 71
HR.KFI 91	<i>remains</i>	HR.KFI 91	HR.KFI 91
HIE.SMH 33	<i>remains</i>	HIE.SMH 33	HIE.SMH 31
			HIE.SMH 32
HIP.SMH 33	<i>becomes</i>	HEE.SMH 00	HEE.SMH 00
			HEE.SMH 01

### Power Supplies in the Ejection Line (HEE)

Power Supply Old Name		Power Supply New Name	Magnets
HIP.SMH 33	<i>becomes</i>	HEE.SMH 00	HEE.SMH 00
			HEE.SMH 01
HTP.BHZ 30	<i>becomes</i>	HEE.BHZ 02	HEE.BHZ 02
HTP.QFD 11	<i>becomes</i>	HEE.BVT 01	HEE.BVT 01
HTP.QFD 12	<i>becomes</i>	HEE.QFW 03	HEE.QFW 03
HIP.DHZ 25	<i>becomes</i>	HEE.DHZ 04	HEE.DHZ 04

### Power Supplies in the Dump Line (HIP)

Power Supply Old Name		Power Supply New Name	Magnets	
HI.BVT 00	<i>remains</i>	HI.BVT 00	HIP.BVT 00	} HIP Line share one common power supply with HIE Line
			HIE.BVT 00	
HI.BHZ	<i>remains</i>	HI.BHZ	HIP.BHZ 10 (*)	} HIP Line share one common power supply with HIE Line
			HIP.BHZ 20 (*)	
			HIE.BHZ 10	
			HIE.BHZ 20	
			HIE.BHZ 30	

(\*) Not used for beam but only for power supply regulation