

Balzers Cross Beam Ionizer Voltage Table
May 14, 2003

ID	Color	Connection	V ID Set volts	Measured volts
0	Black	Deflection Inner	V6 226 (/10)	-22.5
1	Brown	Ion Reference	V1 78	-77.9 (to ground)
2	Red	Extraction	V5 238	-237
3	Orange	Filament#2	---	-68.1
4	Yellow	Filament#1	---	-69.6
5	Green	Filament (common) Cath.	V2	-68.2
6	Bleu	Focus	V3 11.25	-11.2
7	Purple	Deflection Outer	V7 50 (/5)	-9.9
8	White	Field Axis	V4 12.5	-12.4

all voltages measured relative to Ion Ref (V1), except where noted.

Filament #1 is on at 0.25 mA (actually 2.5 mA is what it is). Filament #2 is off