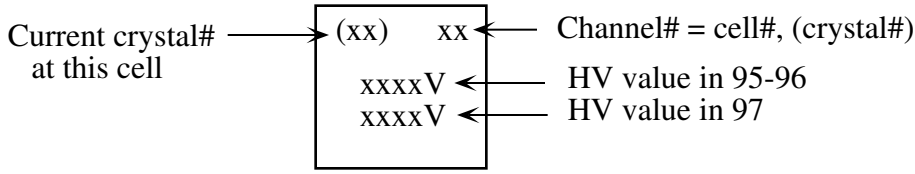
Etagg33 upgrade (96/97 shut down)

Inspection of the ET33 KRS crystals transparency has displaied that collecting 10 pb-1(95) and 15 pb-1(96) of integrated luminosity in the H1 IP have leaded to a visible darkness of the crystals that were most irradiated by the positron beam. In fact crystals # 21, 28 have loss 10-20% of their transparency. A new layout of the crystals has been made to remove the dark cells from the mostly workig ET33 region. To reduce the currents on the last PM dinodes and hence to improve the PM's gains stabilities the tunnel preamplifier gains were increased by factor two and corresponding HV set was updated to keep the total channel gains unchangeble. The old and new HV sets are shown here.



(28) 42 1980V 1980V	43 2020V 2020V	44 1950V 1950V	45 1910V 1910V	46 2110V 2110V	47 2190V 2190V	48 1910V 1910V
35 2030V 1930V	36 2110V 2010V	37 1990V 1890V	38 1870V 1770V	39 1960V 1860V	40 1940V 1940V	41 1965V 1965V
(0) 28 1960V 1860V	29 2040V 1940V	30 2175V 2075V	31 2055V 1955V	32 1800V 1670V	33 1775V 1675V	34 1930V 1830V
(42) 21 2200V 2100V	22 1870V 1750V	23 2050V 1930V	24 1900V 1800V	25 2000V 1910V	26 1890V 1790V	27 1810V 1690V
(7) 14 1920V 1920V	15 1940V 1940V	16 1830V 1700V	17 1910V 1810V	18 1820V 1730V	19 1850V 1750V	20 1700V 1580V
(14) 7 1930V 1930V	8 1840V 1840V	9 1910V 1910V	10 1890V 1890V	11 1610V 1610V	12 1725V 1725V	13 1760V 1760V
(21) 0	1	2	3	4	5	6 1720V 1720V