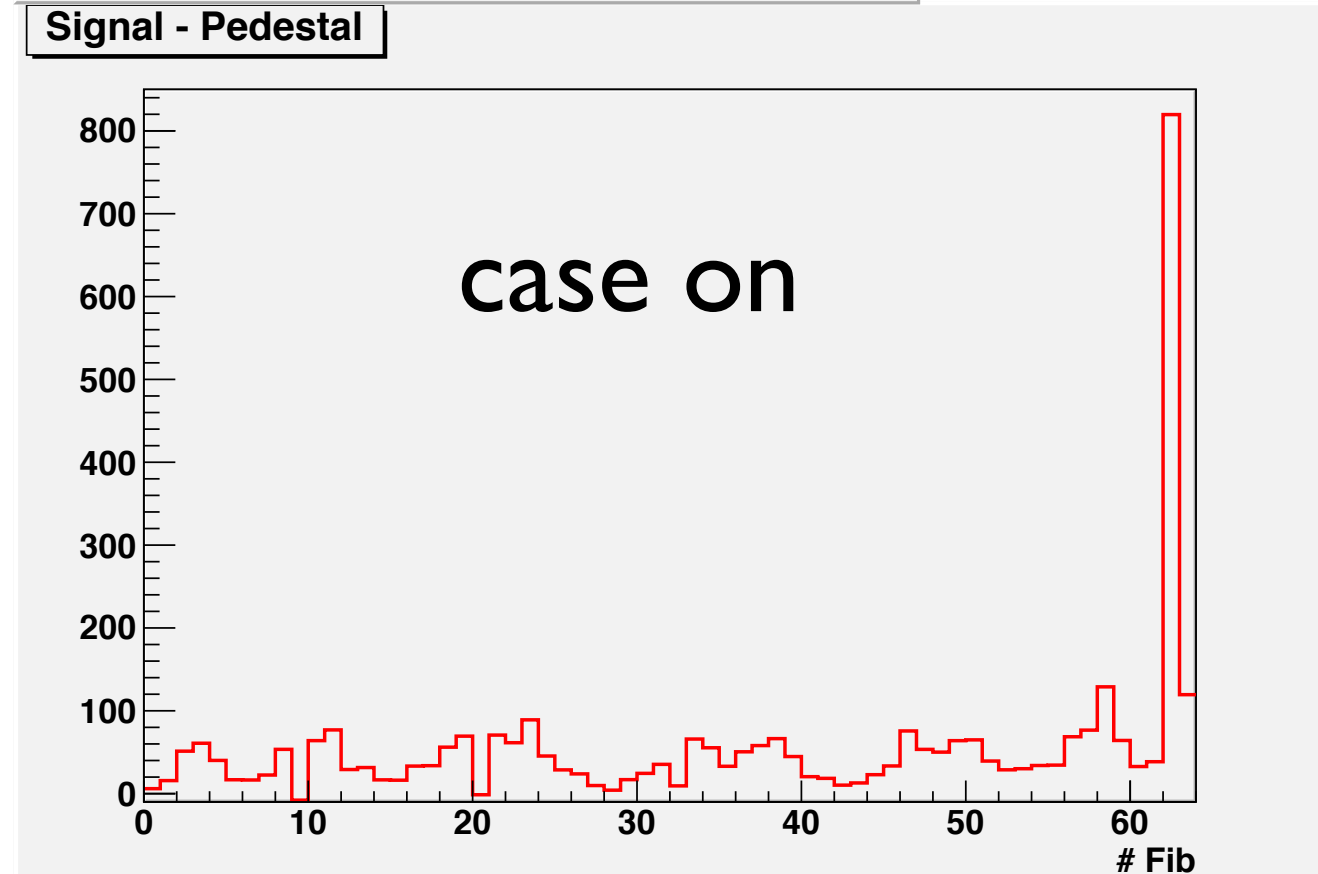
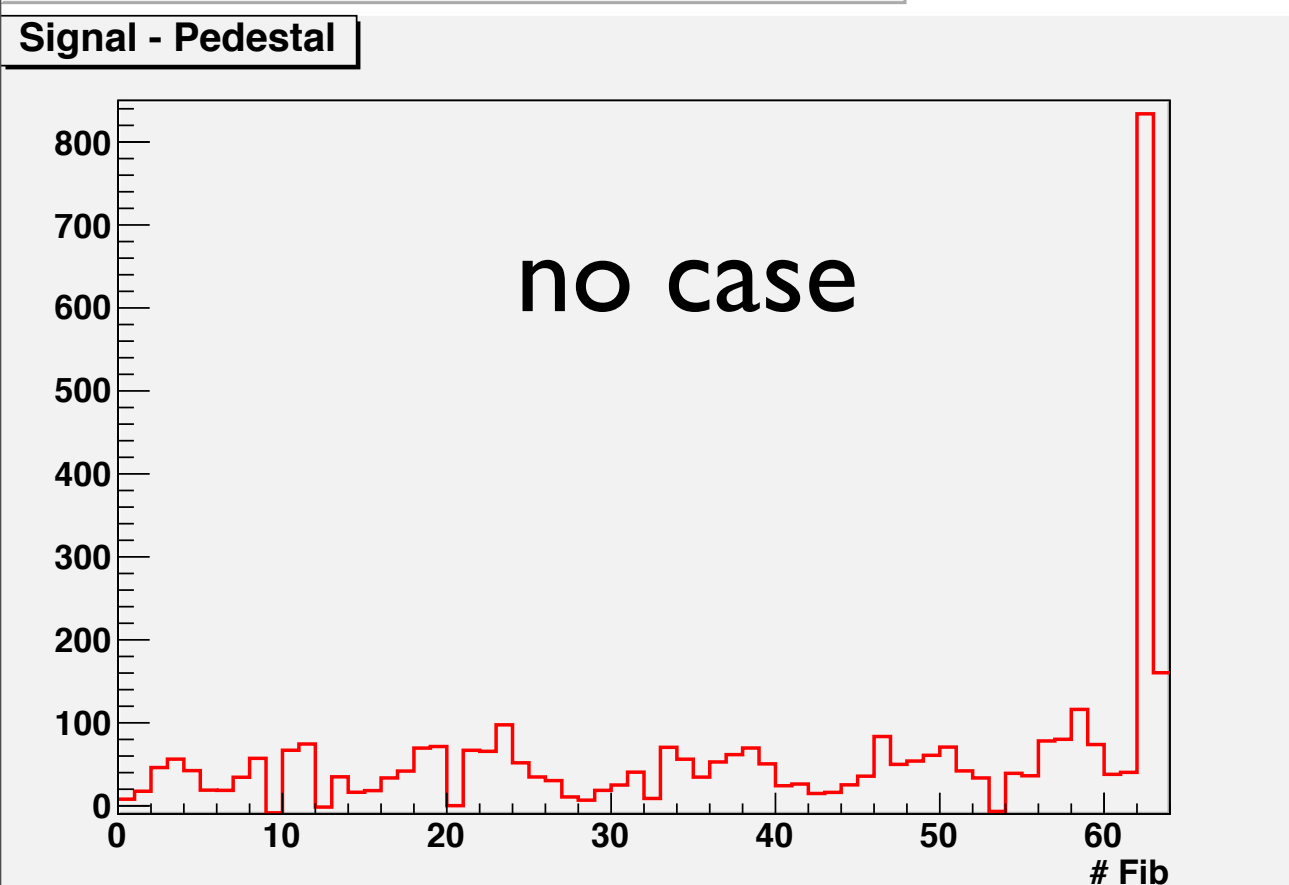
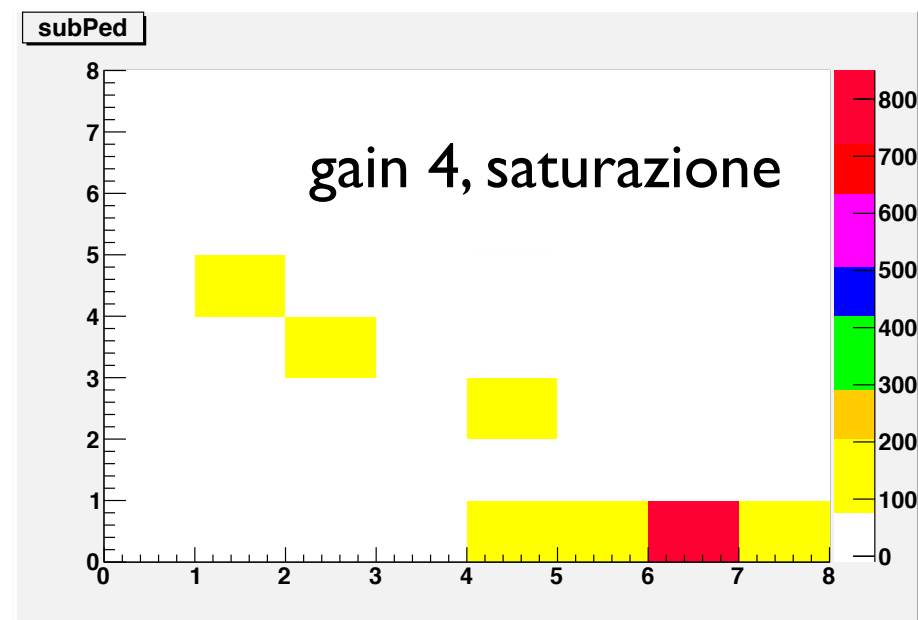
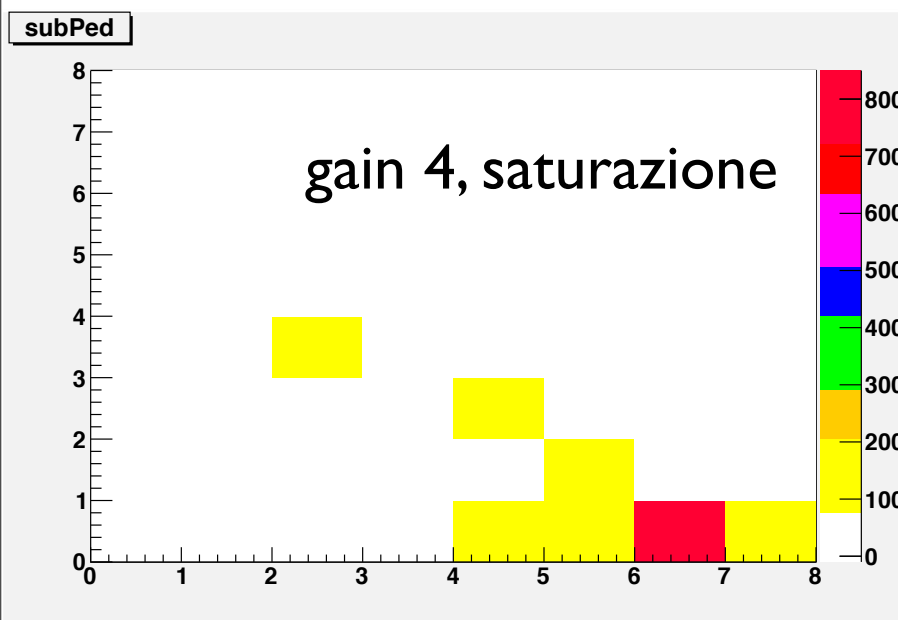


September

v1.03sep: Light Mask

PMT#0 alignment: v1.03sep

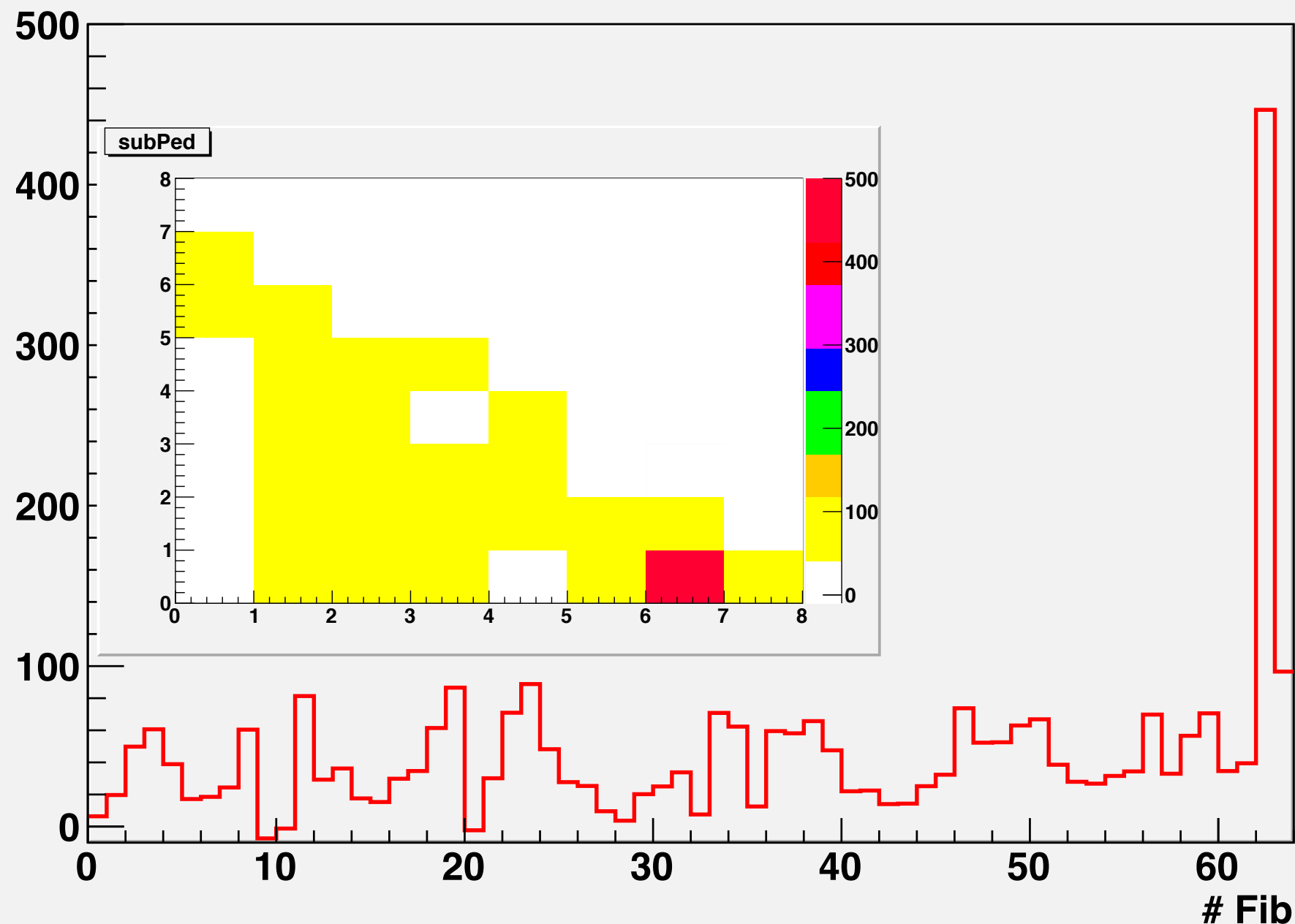
Illumino una singola fibra, senza mask



PMT#0 alignment: v1.03sep

Abbasso il gain da 4 a 2 per stimare il xtalk

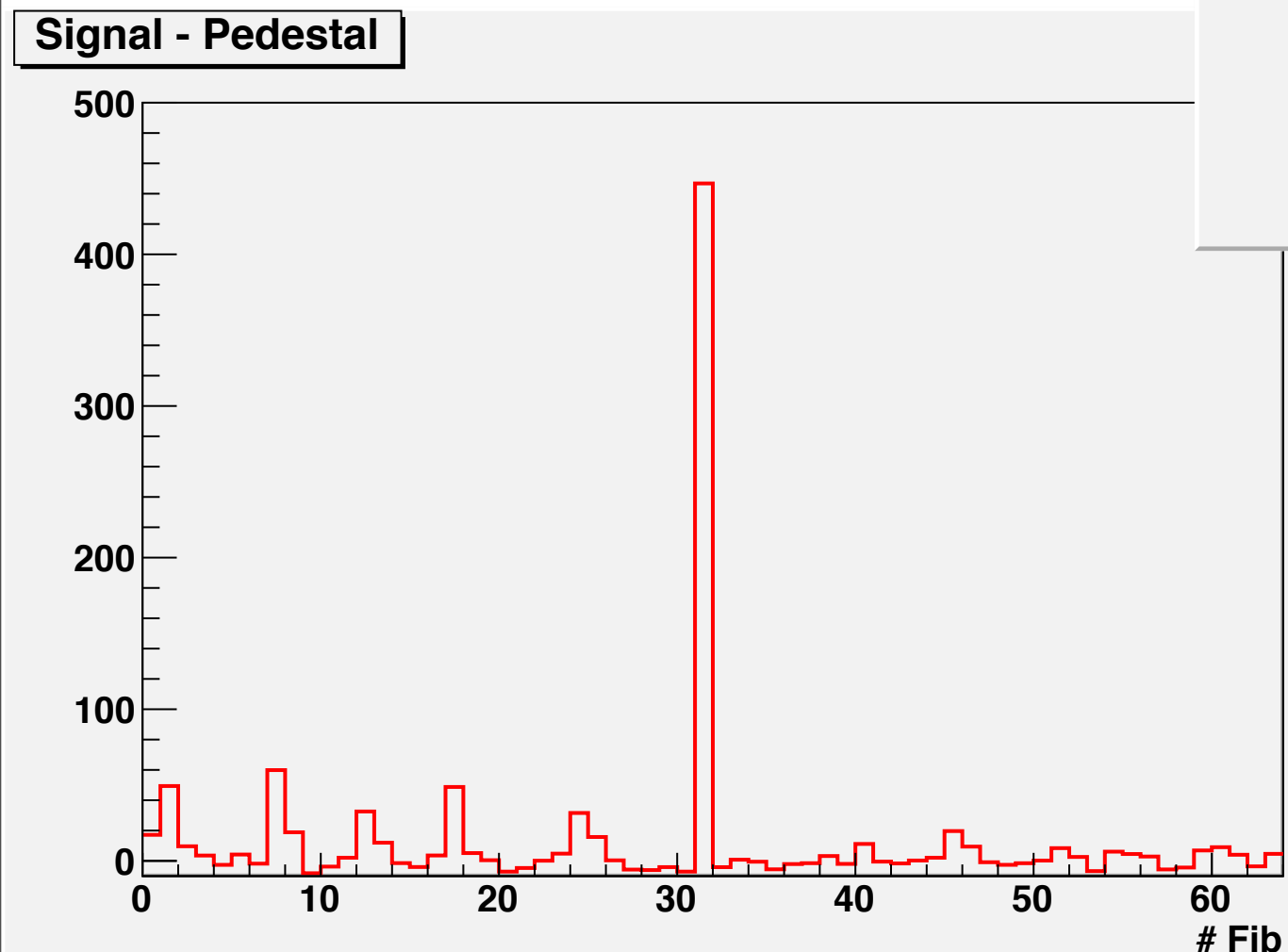
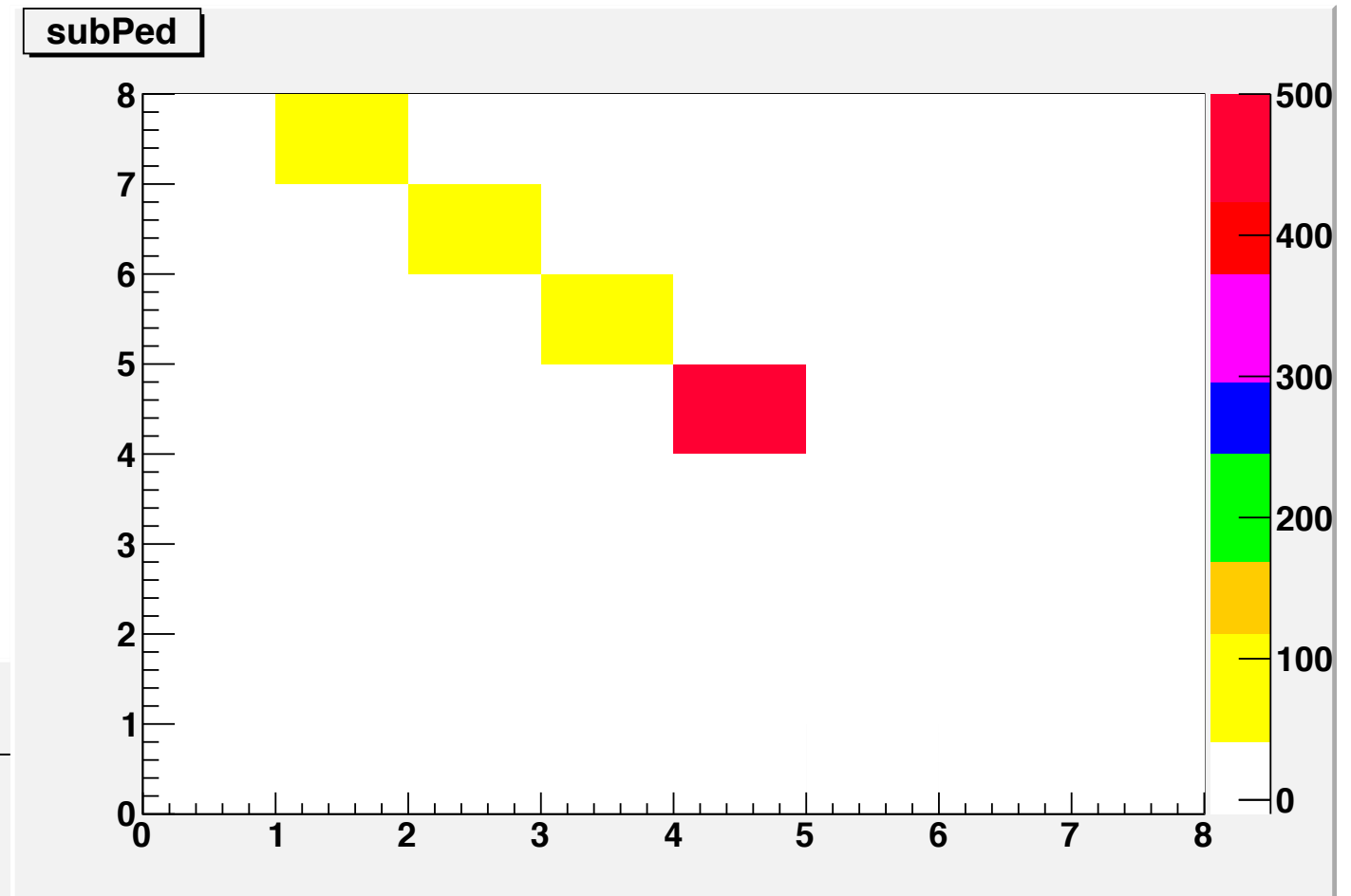
Signal - Pedestal



Oss:
illuminando
una singola
fibra si crea
un alone che
non permette
la stima del
xtalk. Passo
alla tecnica
Gatti (mask)

PMT#0 alignment: v1.03sep

Illumino le fibre
centralmente, avendo
posizionato la **light mask**
con singolo foro in un
pixel centrale



Scompare l'alone, ma non
capisco da dove proviene
la luce diagonale,
**non so quantificare il
xtalk**

v1.06sep: Dark Mask

PMT#0 & PMT#1

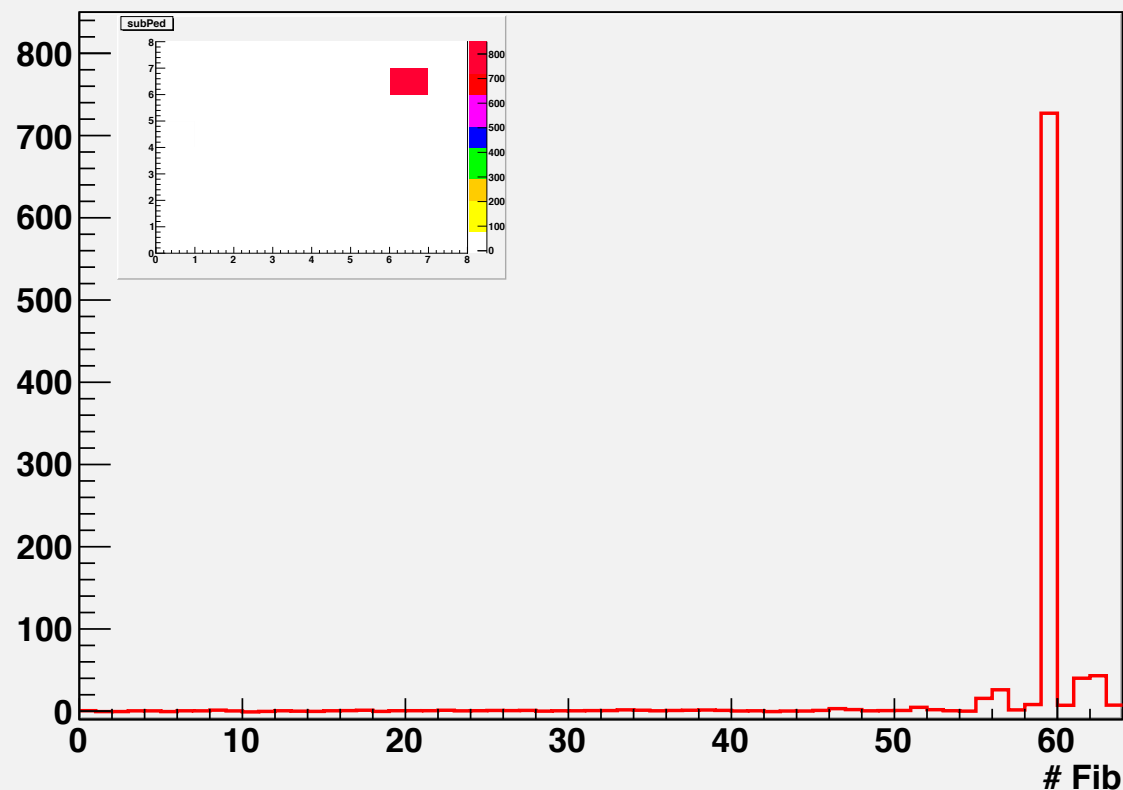
1 pixel-1 fiber

PMT#0 alignment: v1.06sep

Uso la **dark mask** (nera),
gain4

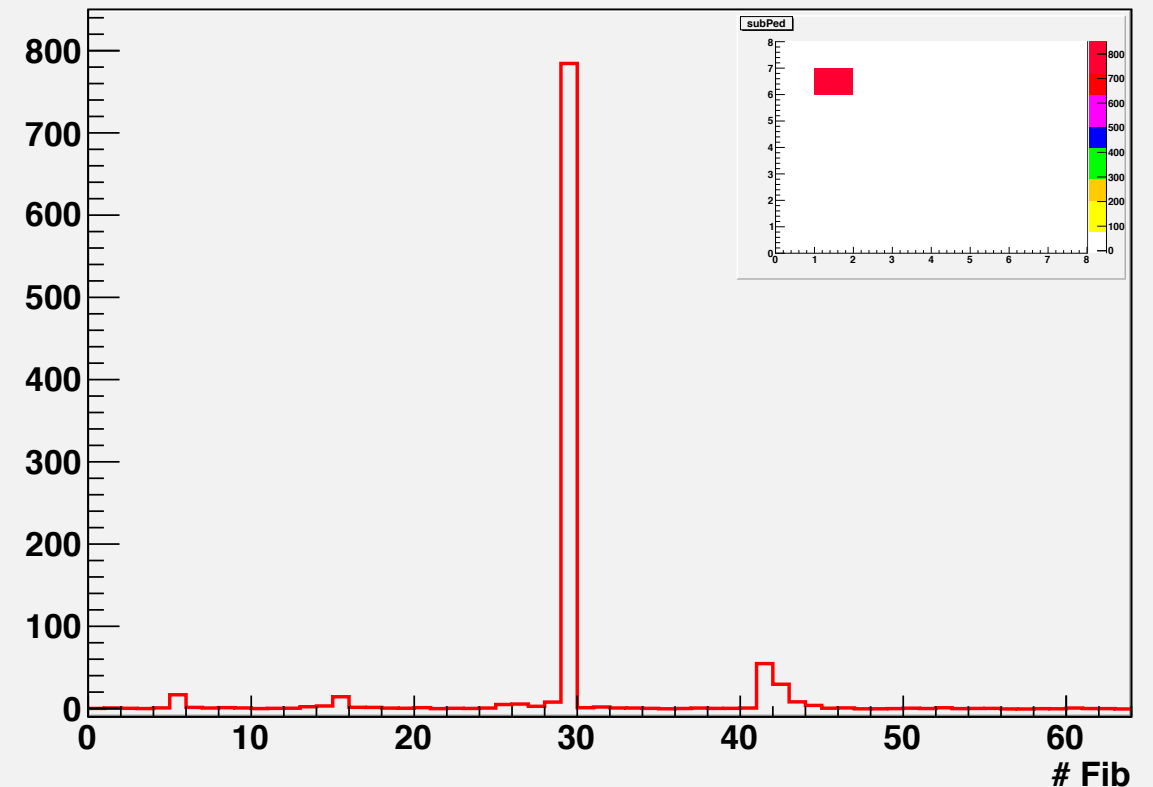
B115

Signal - Pedestal



B118

Signal - Pedestal

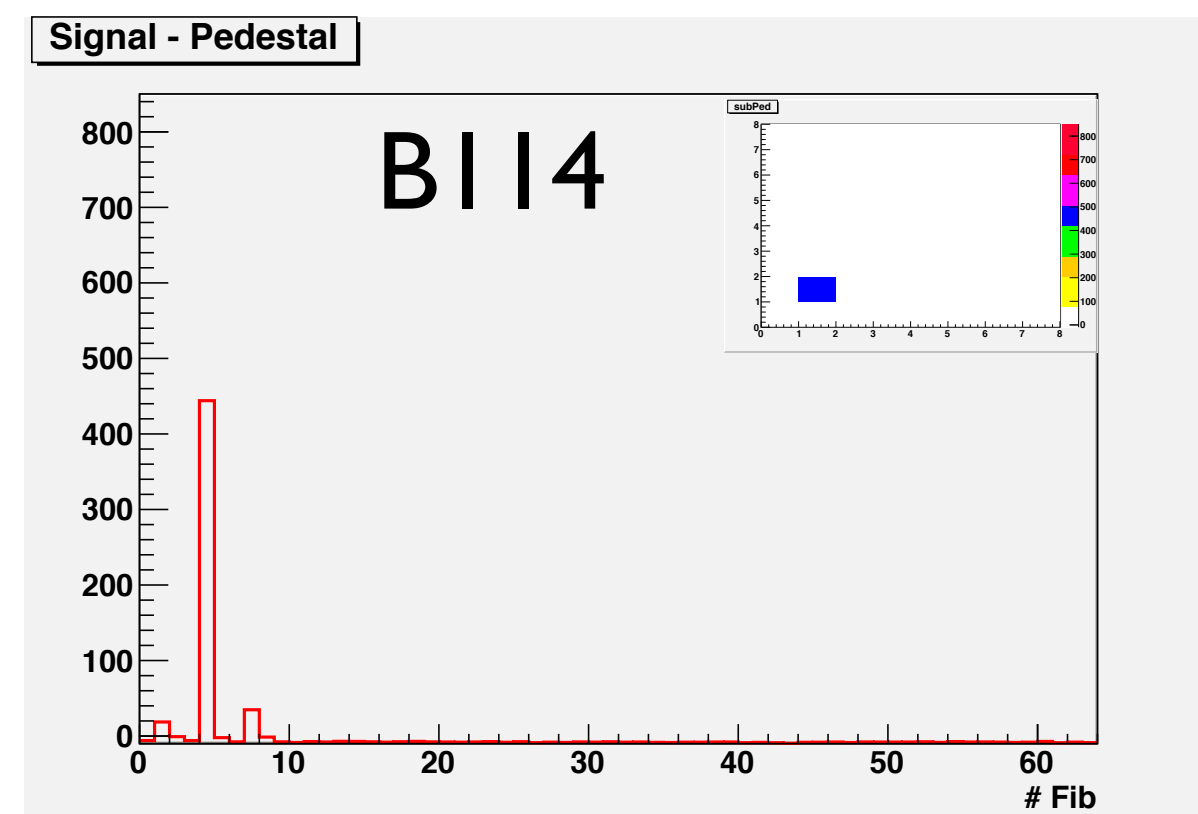
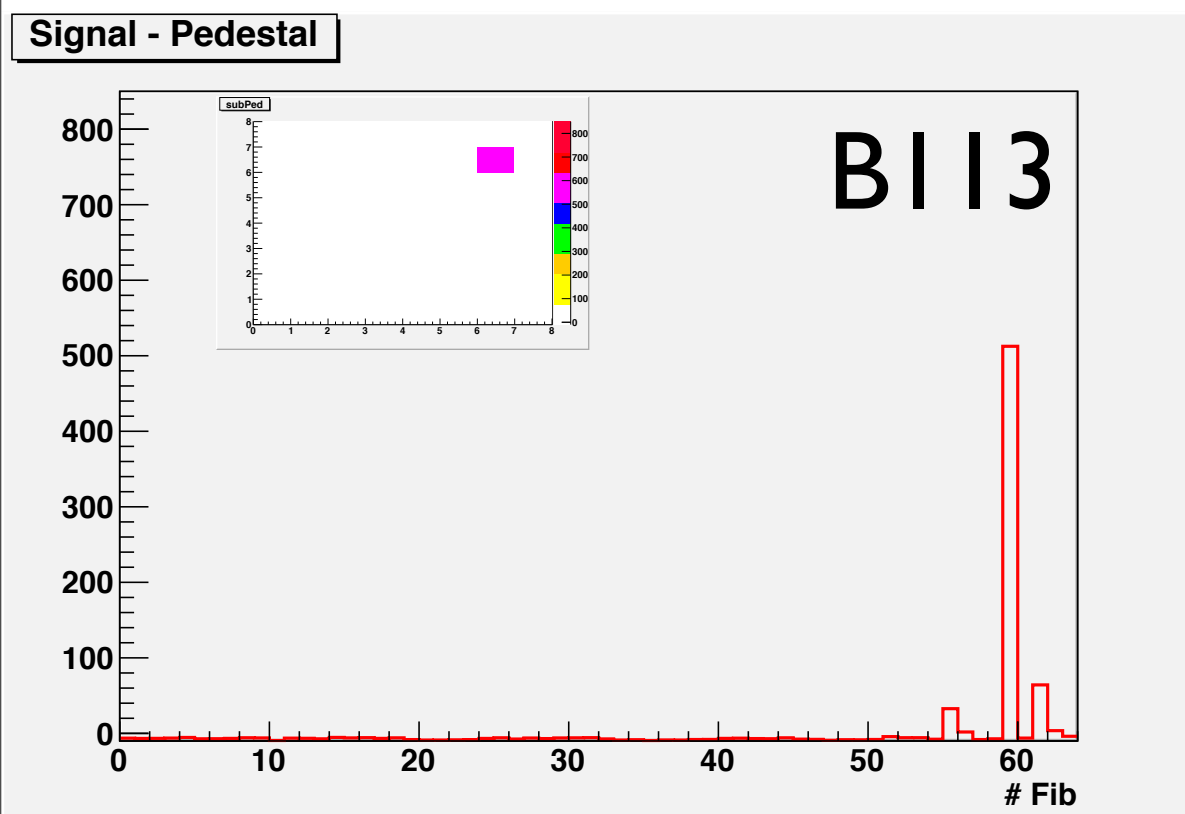


Oss1: Allineamento PMT#0 **fatto**

Oss2: per quantificare il xtalk useremo i dati di 4 pixel
(**da acquisire altri 2 pixel**)

PMT#1 alignment: v1.06sep

Uso la **dark mask** (nera),
gain4



Oss1: Allineamento PMT#1 **fatto**

Oss2: per quantificare il xtalk useremo i dati di 4 pixel
(**da acquisire altri 2 pixel**)

v1.07sep: Dark Mask

PMT#2

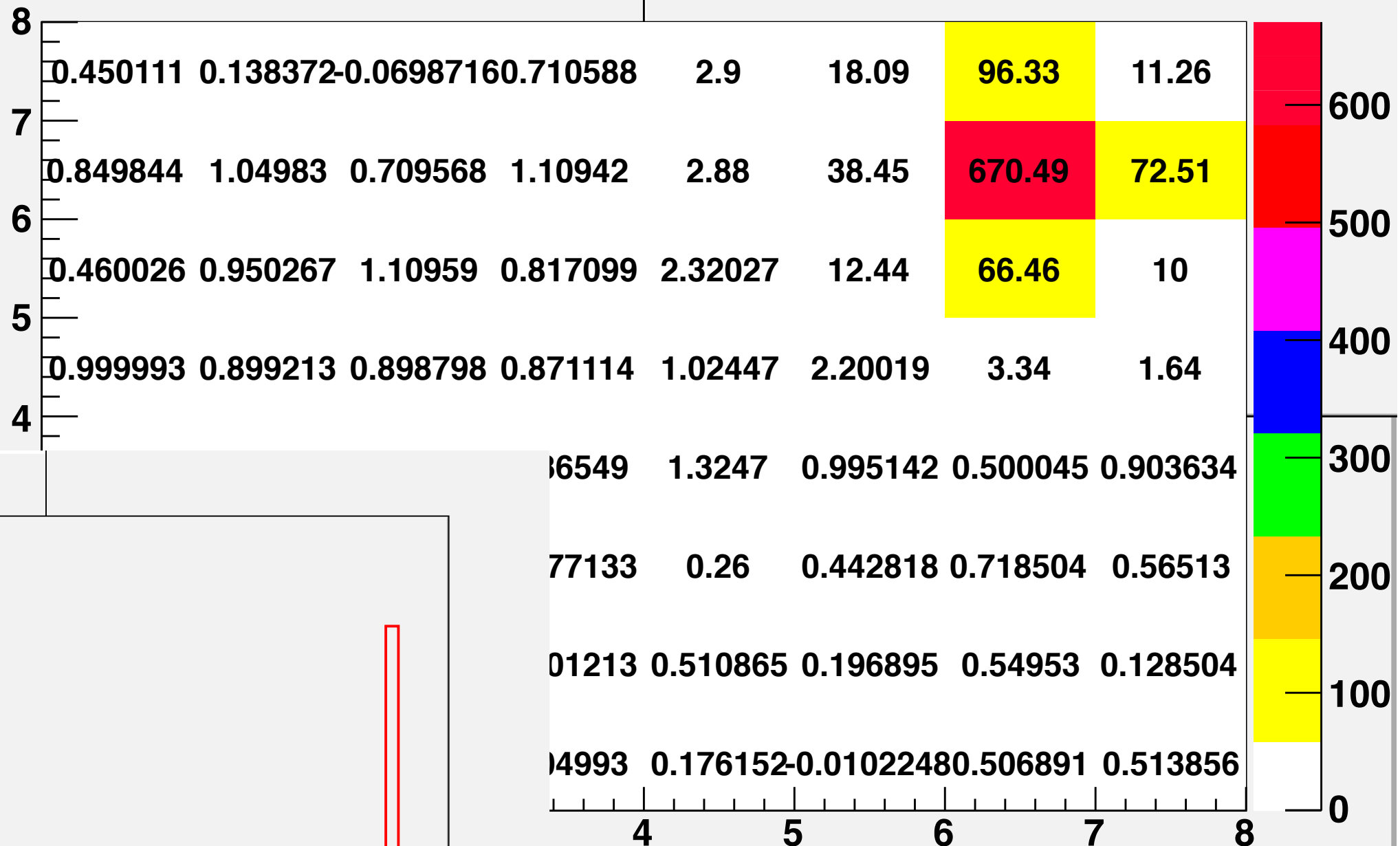
1 pixel-3 fibers

PMT#2 alignment: v1.07sep

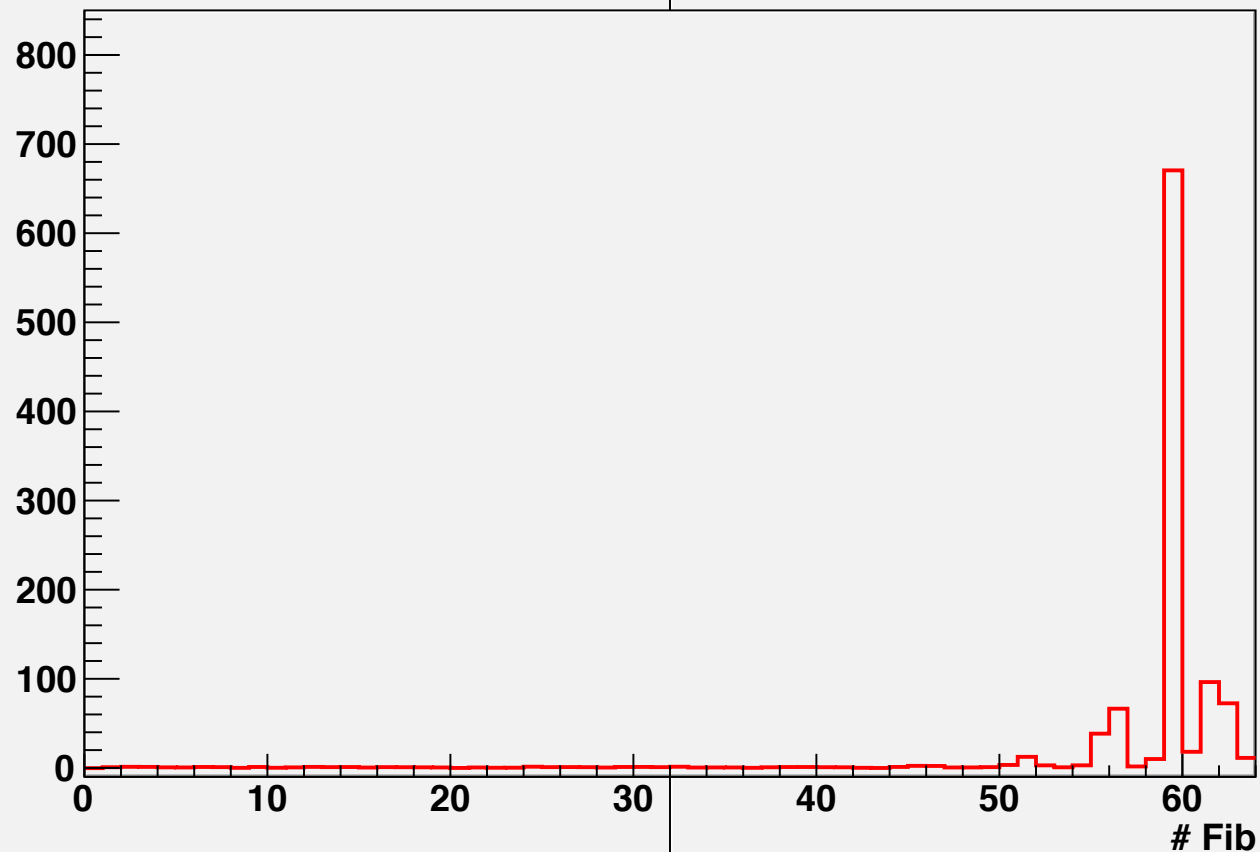
B133

subPed

Uso la dark mask
e illumino la zona
relativa al pixel
scoperto.



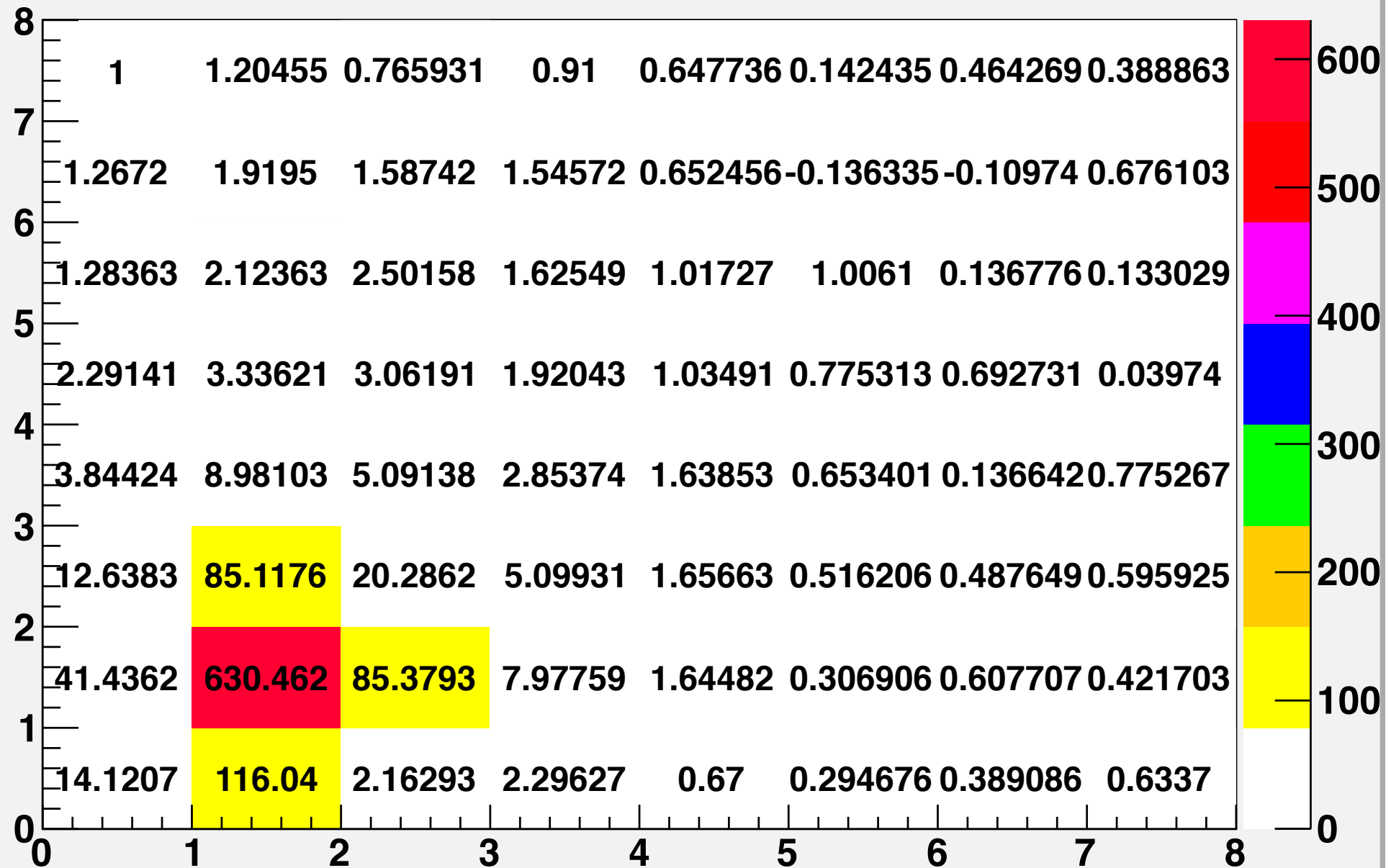
Signal - Pedestal



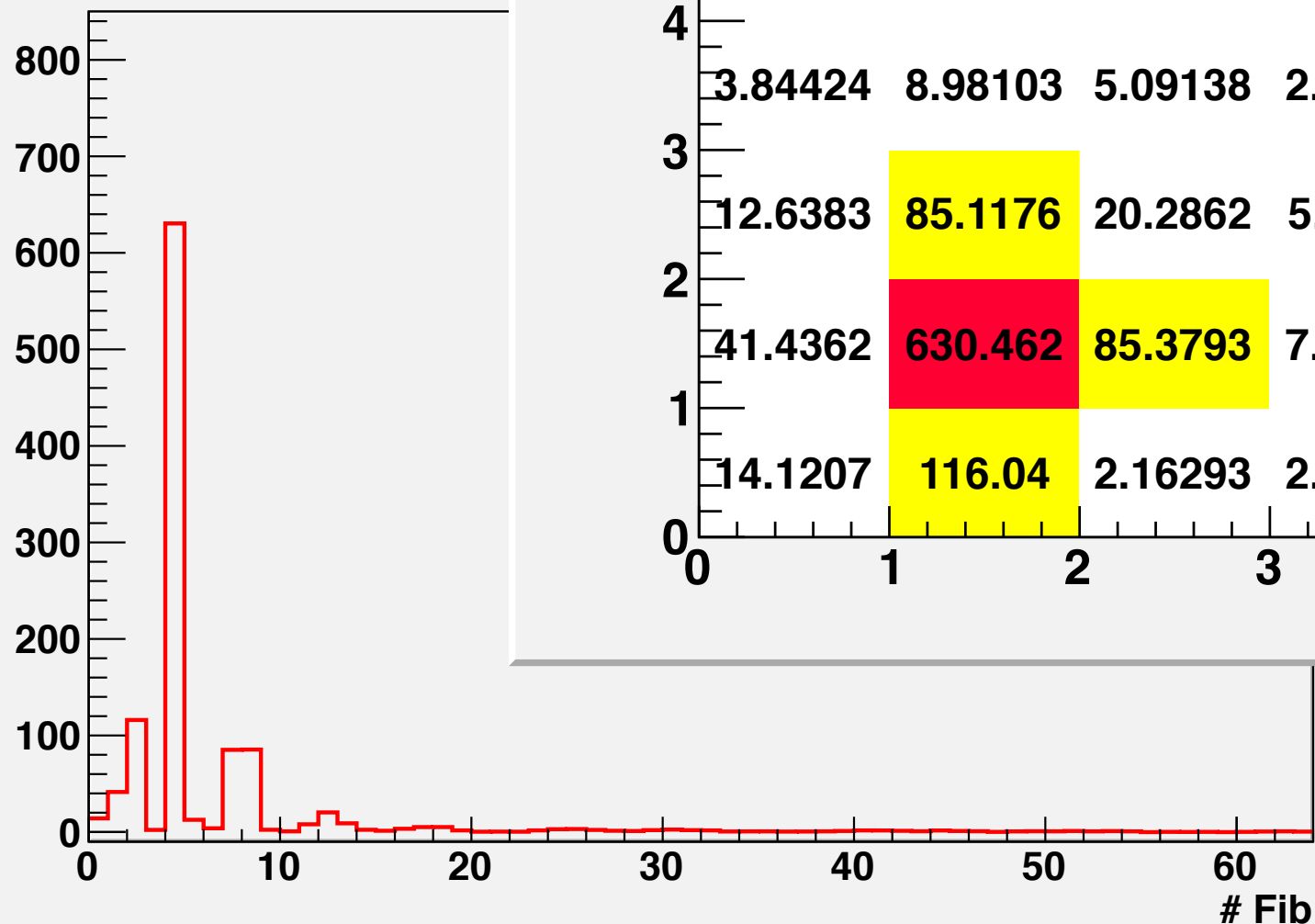
PMT#2 alignment: v1.07sep

B134

subPed



Signal - Pedestal

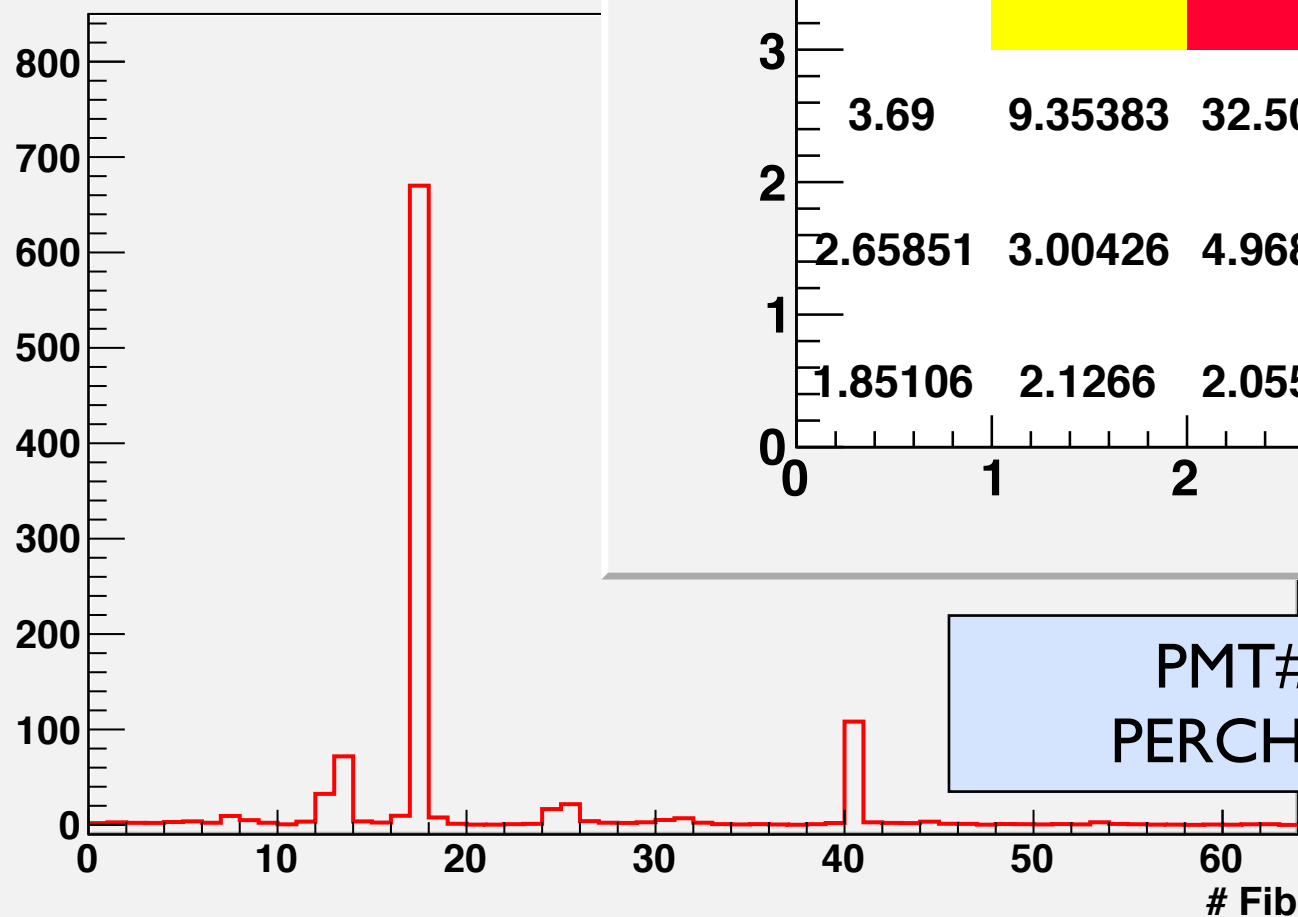


PMT#2 ben centrato su due pixel,
ma...

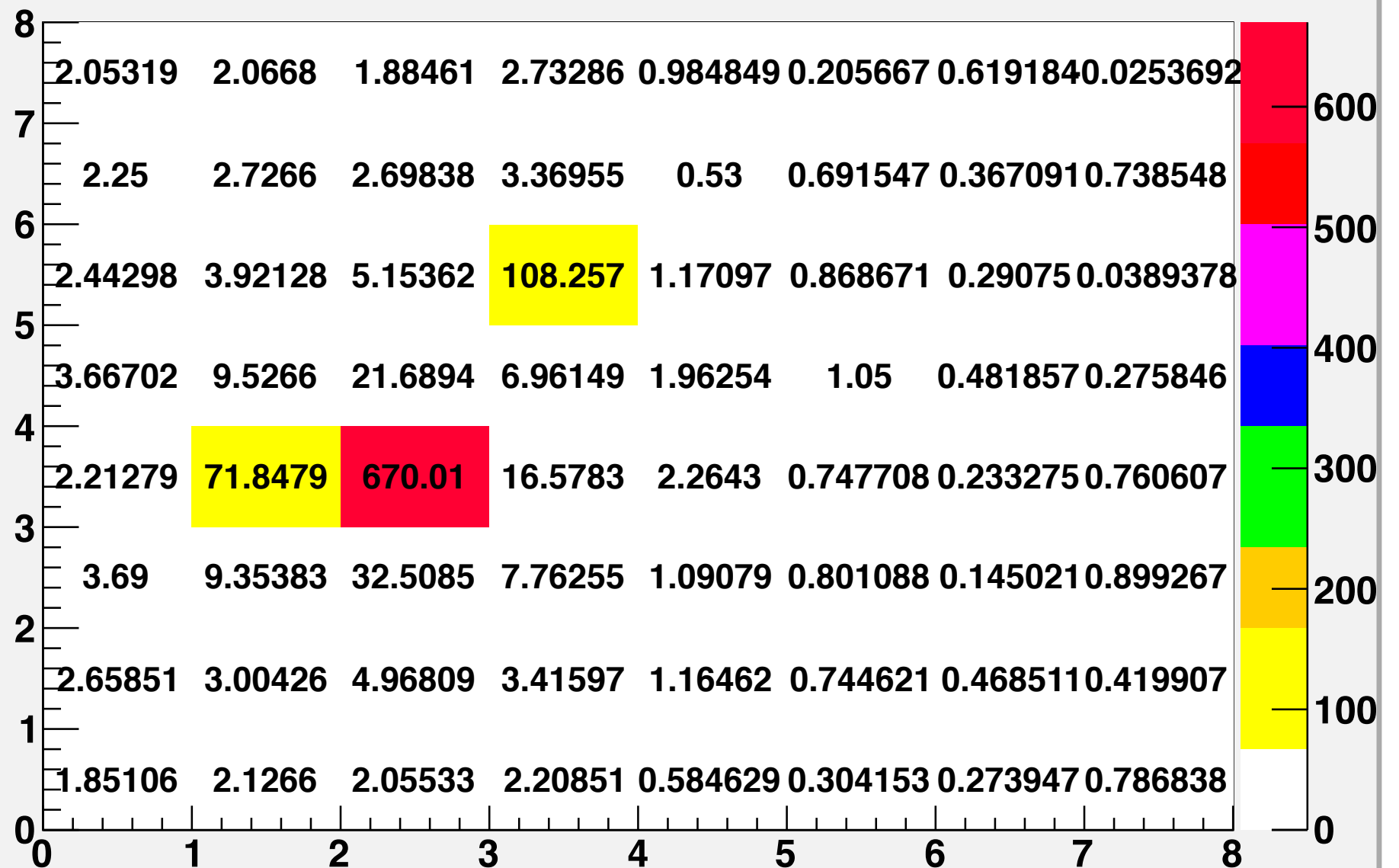
PMT#2 alignment: v1.07sep

B135

Signal - Pedestal



subPed



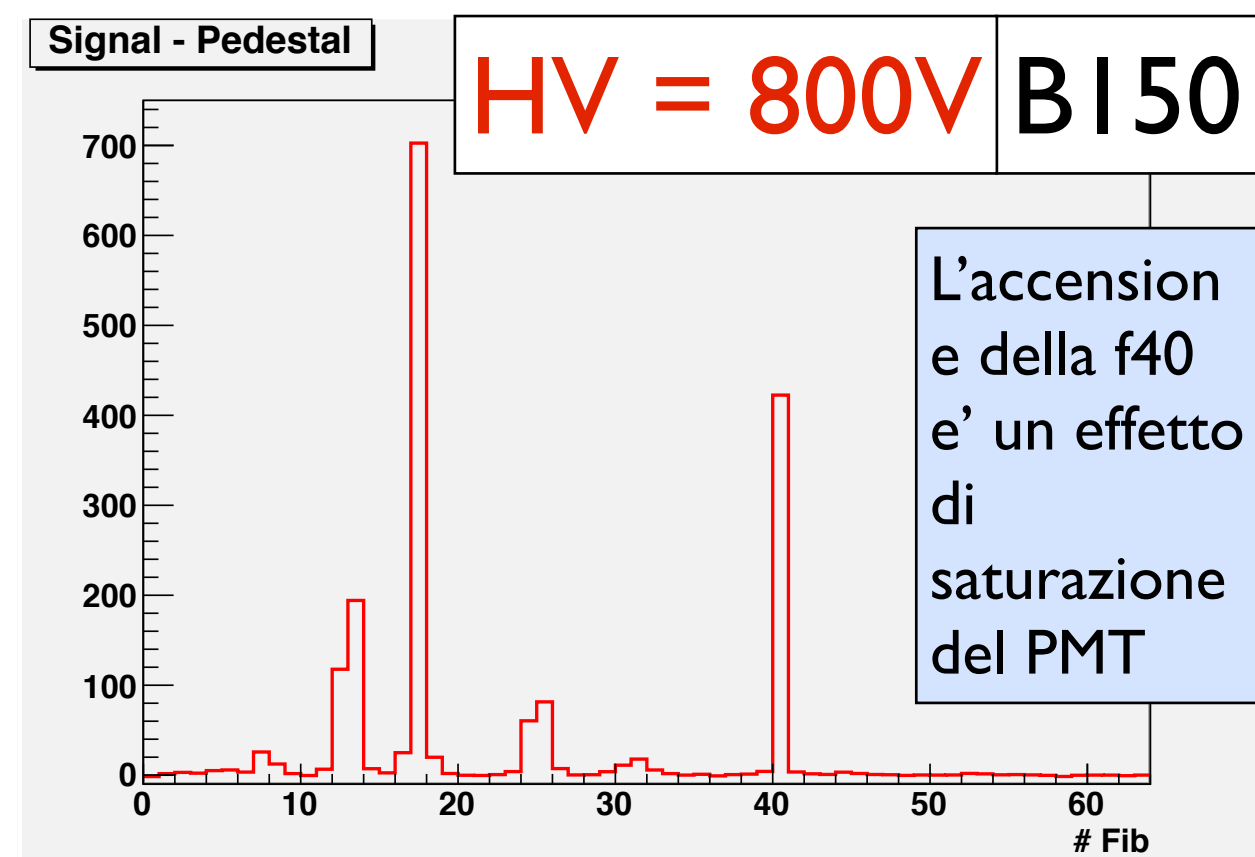
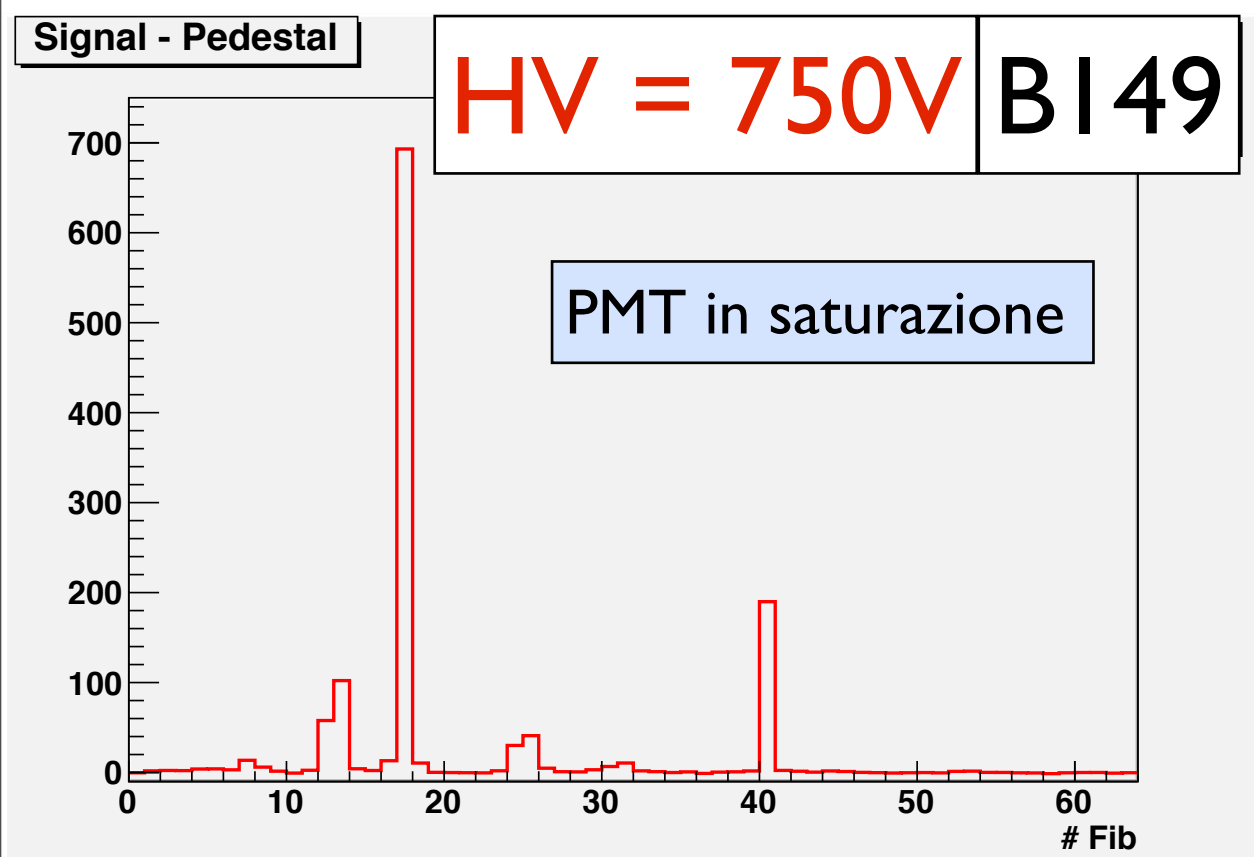
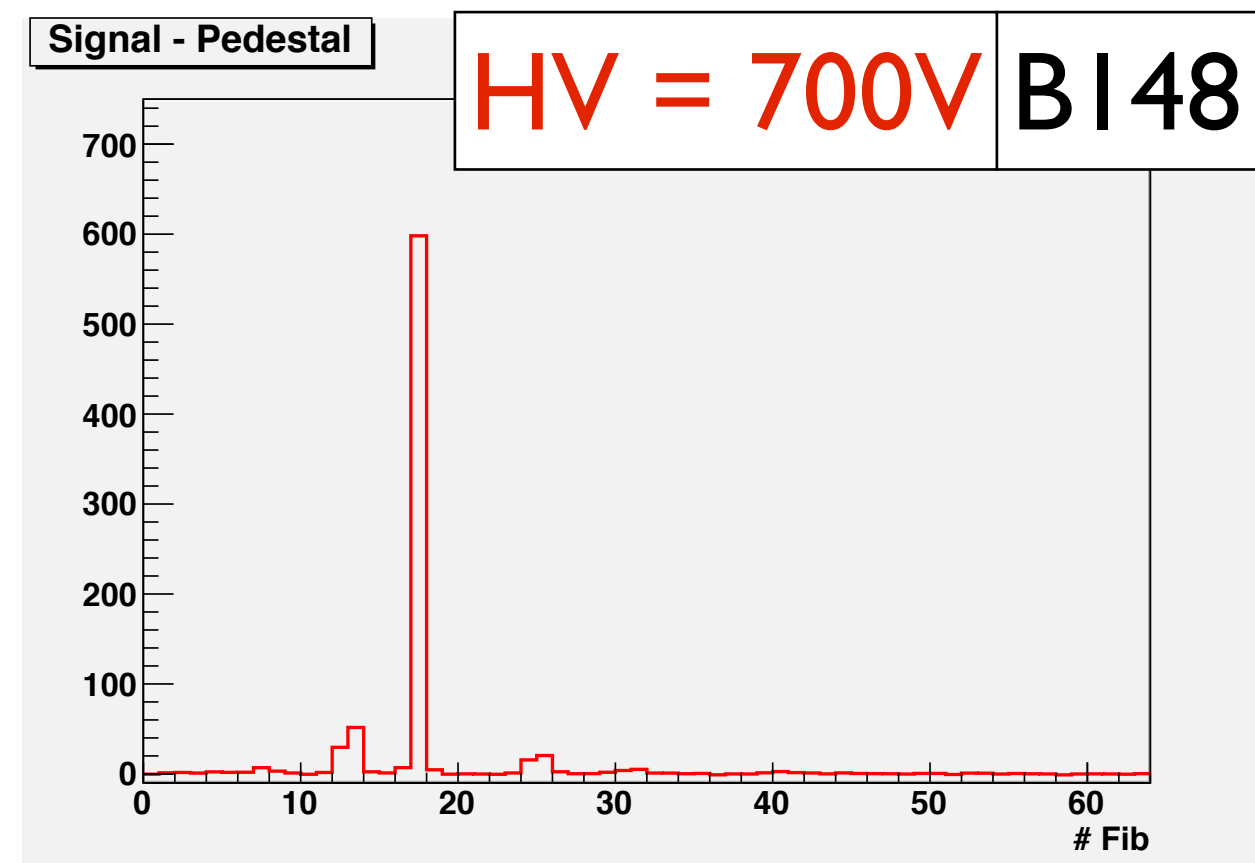
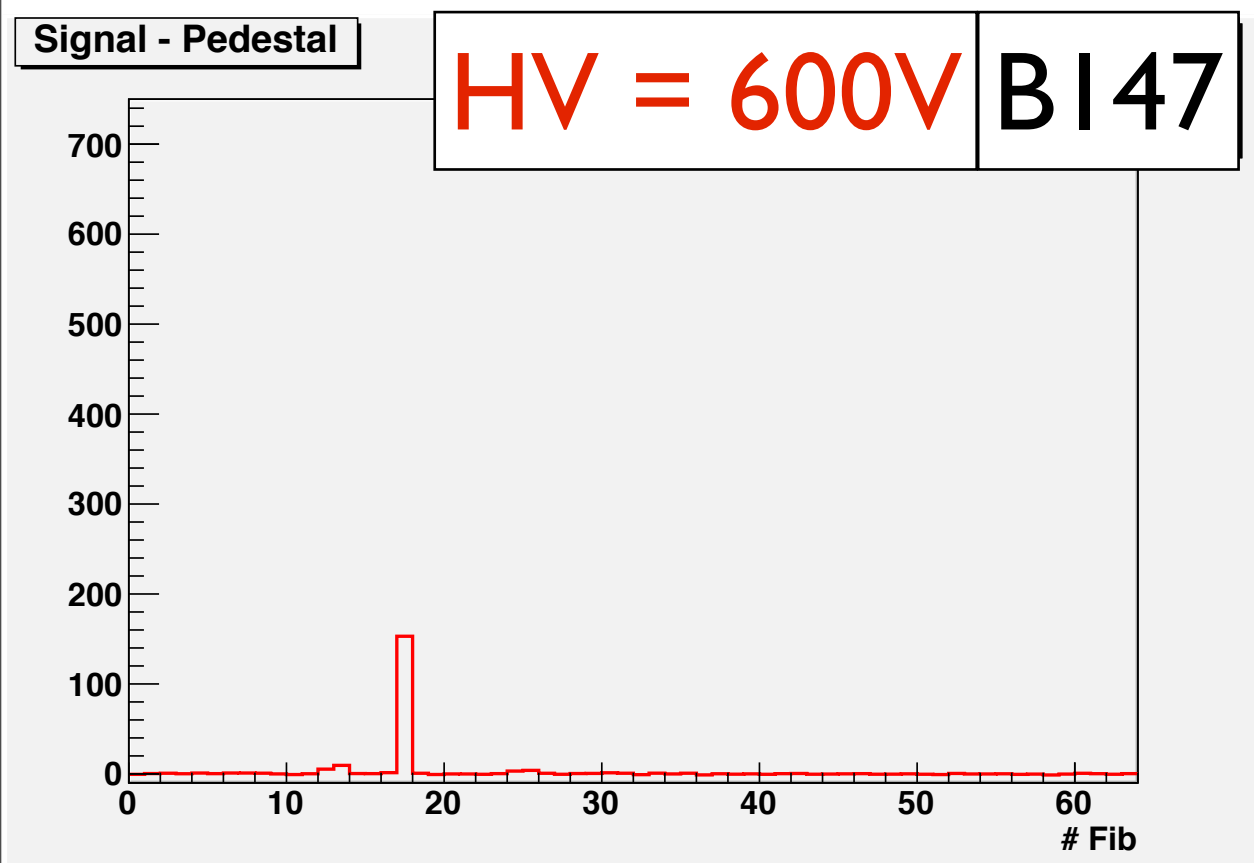
PMT#2 ben centrato su due pixel, ma...
PERCHE SI ACCENDE QUESTO PIXEL ??

v1.10sep: StudioAnomalia

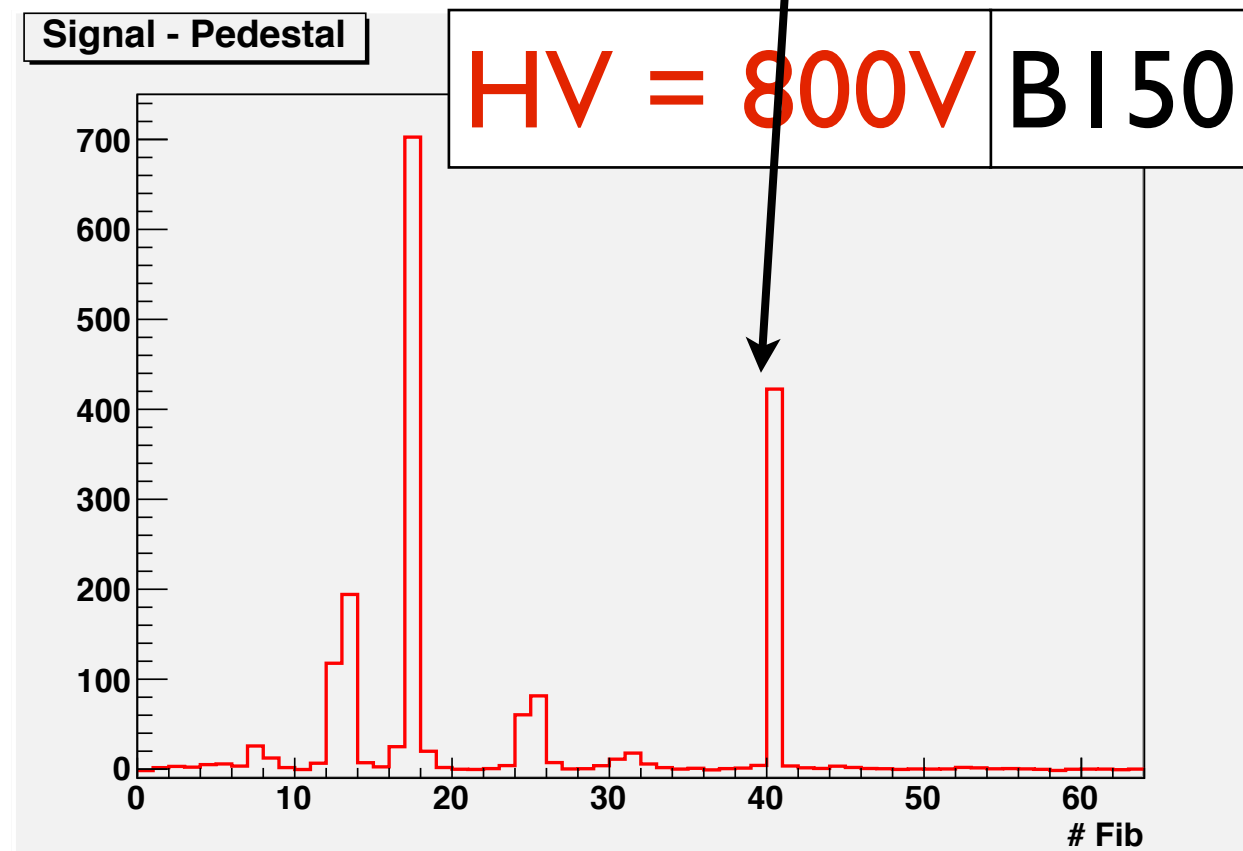
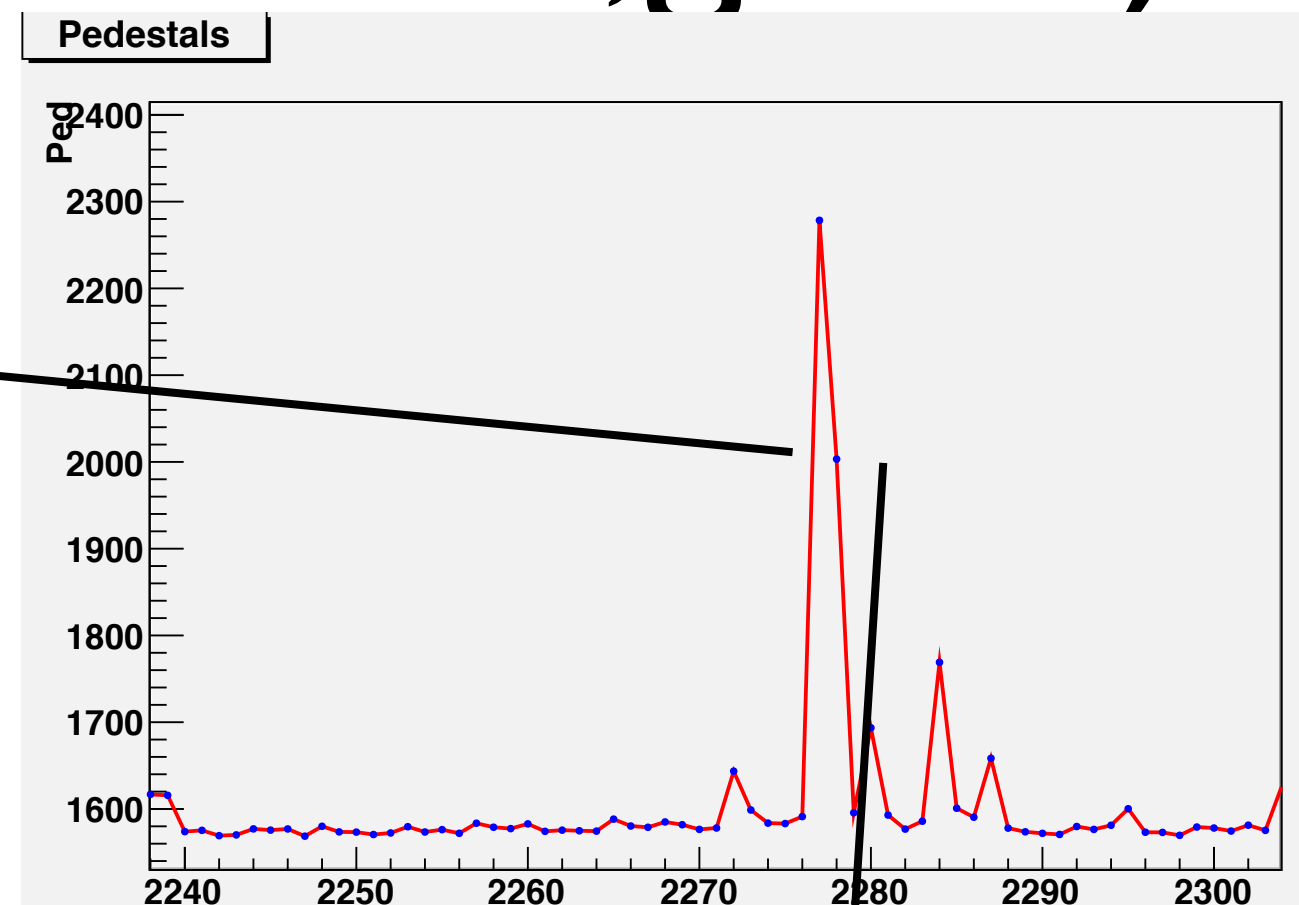
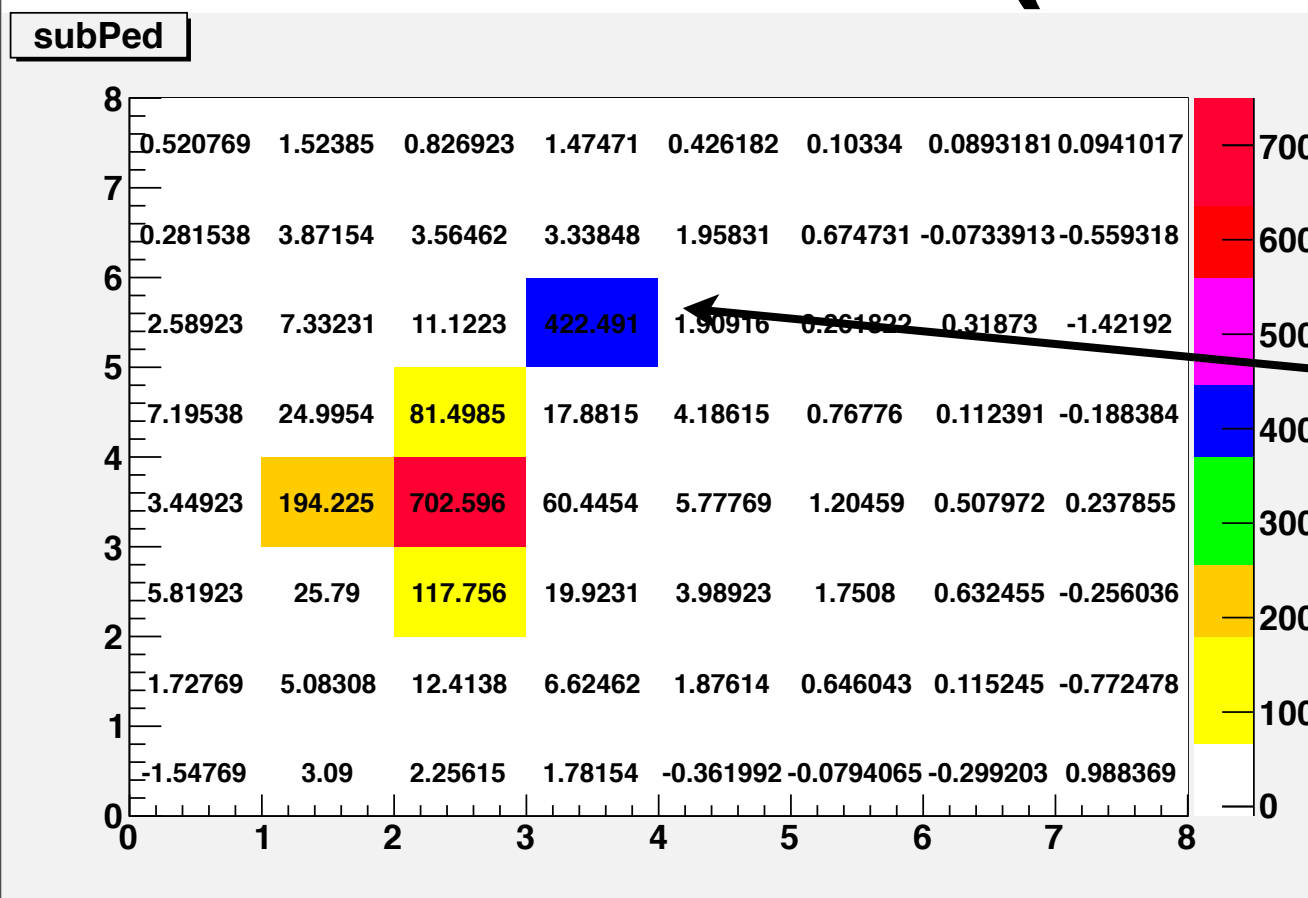
PMT#2

(approfondimento plot B135)

Scan HV(dark mask,gain4)



Scan HV(dark mask,gain4)



L'accensione della f(40-17)
corrisponde a segnale su 2 canali
elettronica vicini (38-37)

Controllo f40

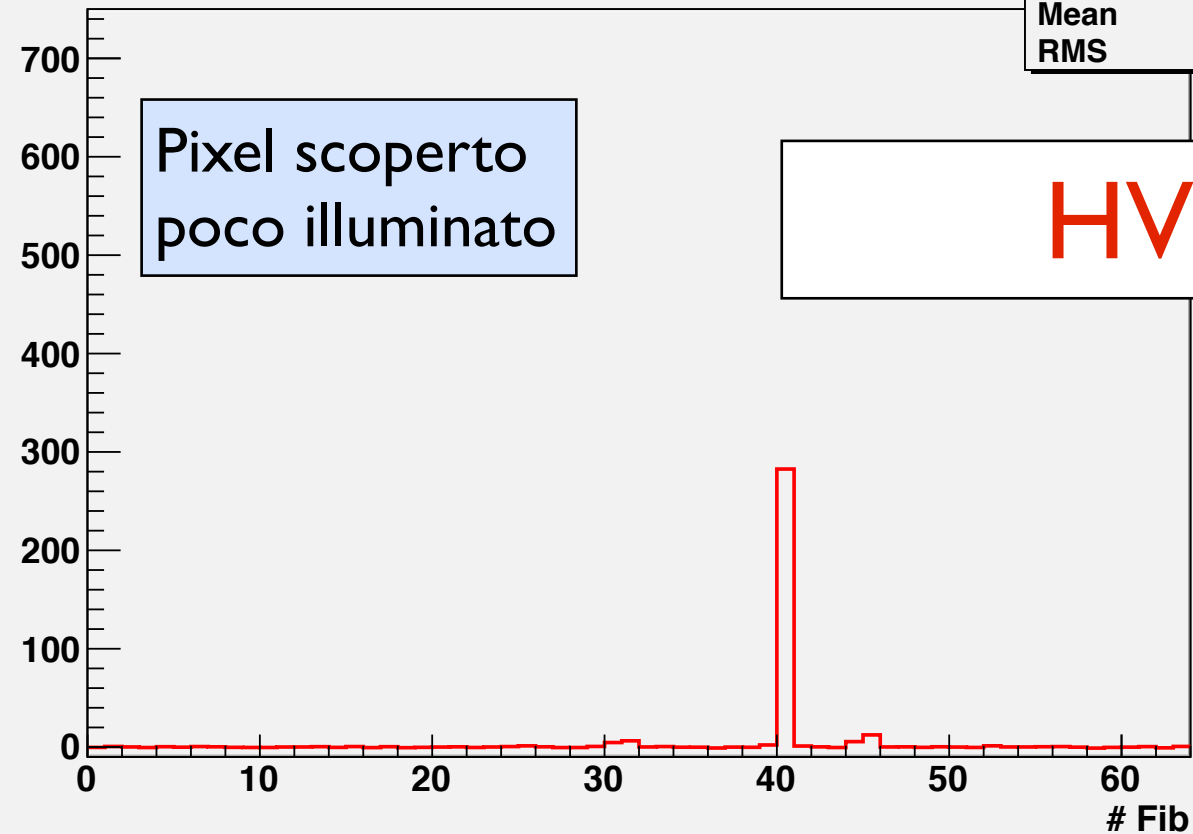
Dark mask girata in modo da controllare la f40 anomala

Signal - Pedestal

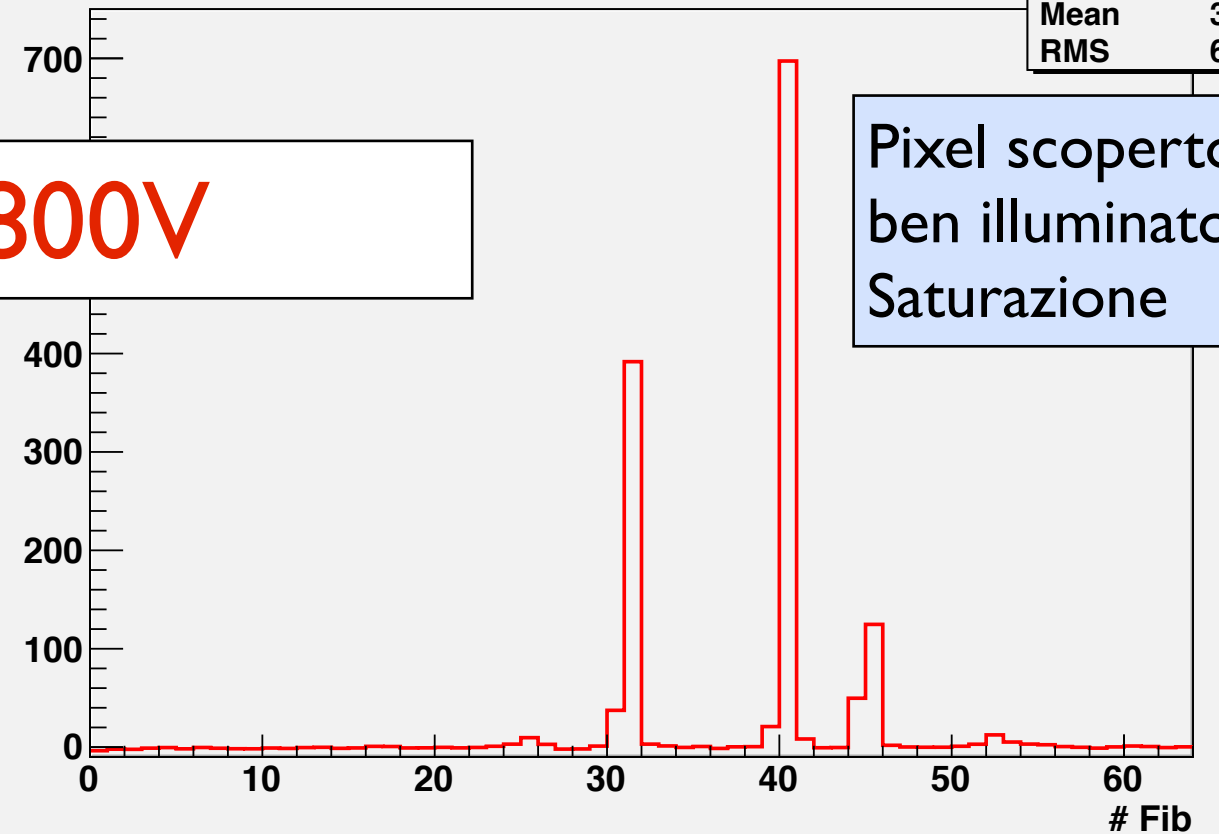
subPed	
Entries	64
Mean	39.91
RMS	5.734

Signal - Pedestal

subPed	
Entries	64
Mean	37.82
RMS	6.865



HV = 800V



Allienamento PMT#2 fatto

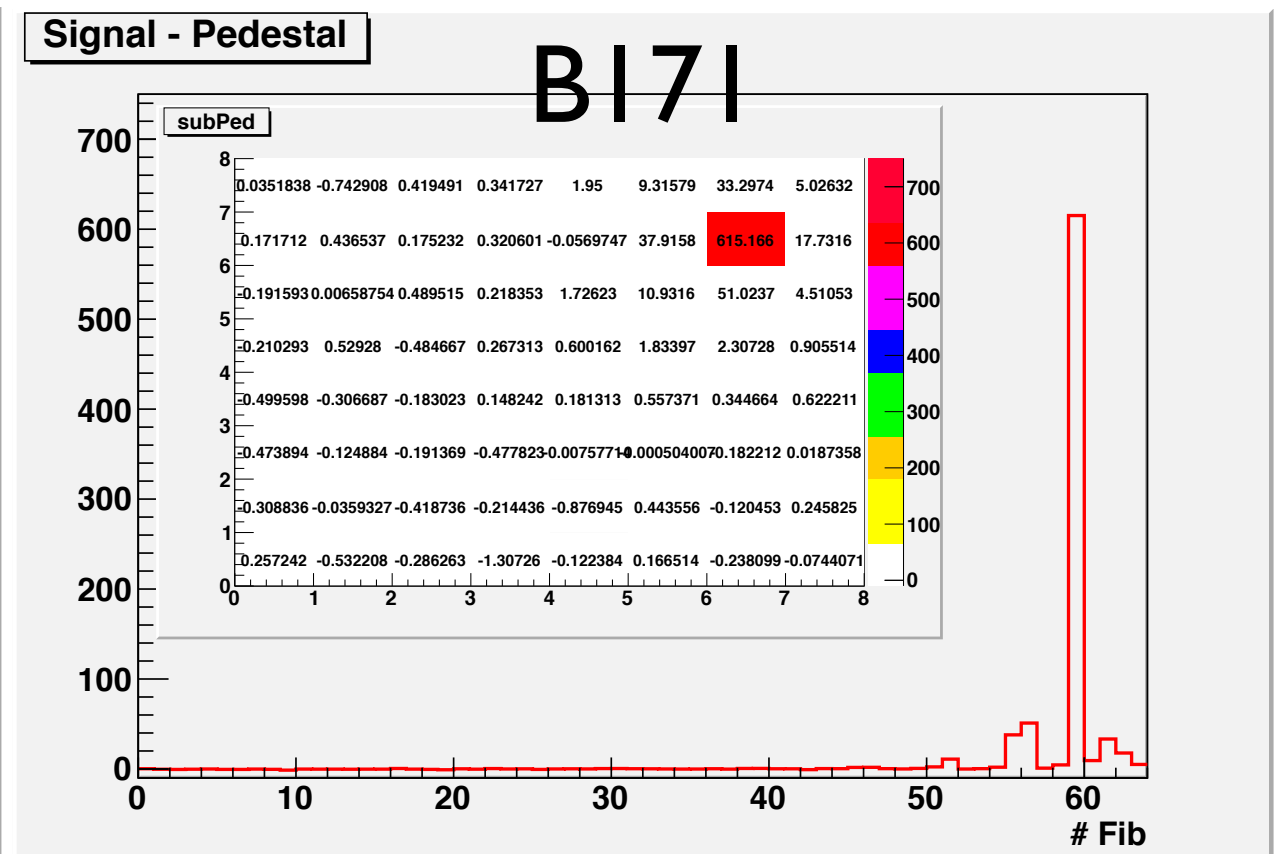
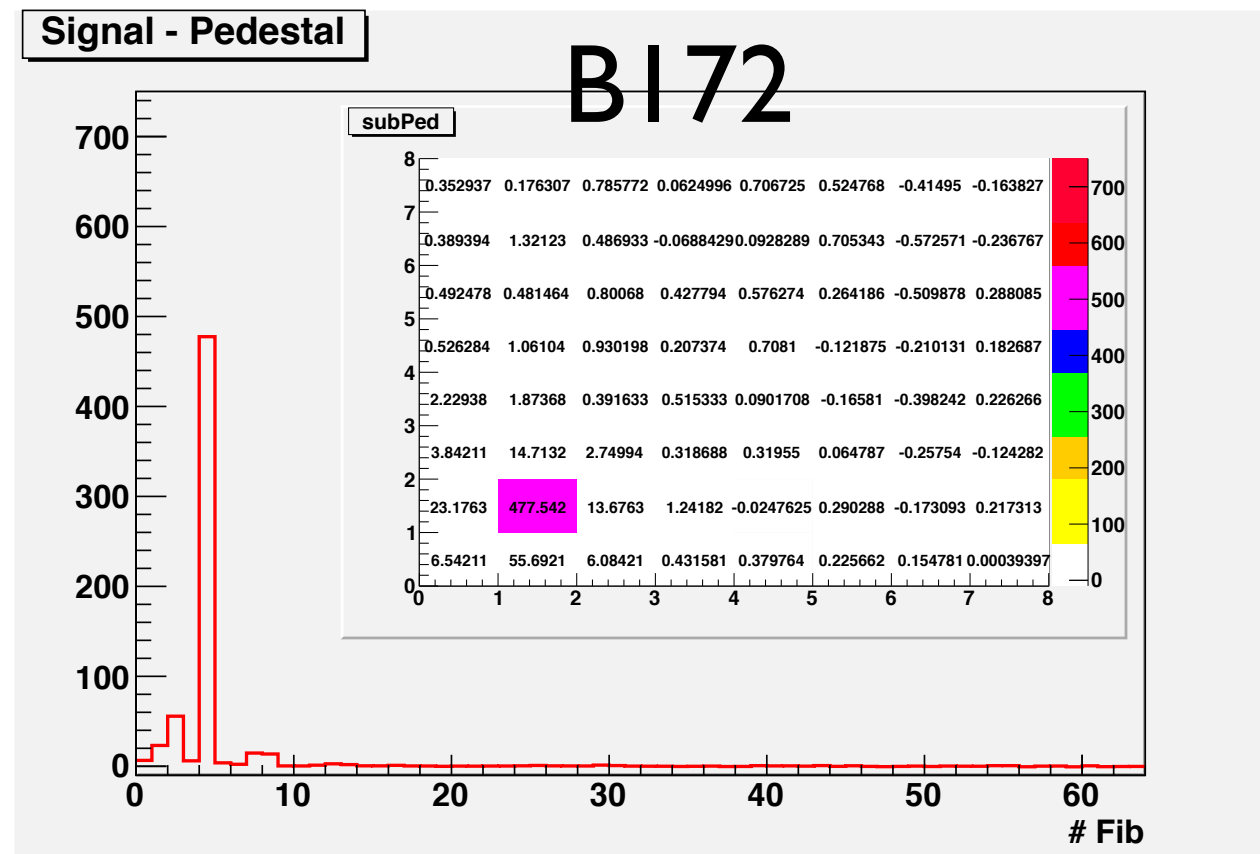
Per la stima del xtalk devo usare HV = 700V

v1.13sep: Dark Mask

PMT#3-4

1 pixel-3 fibers

PMT#3 alignment: v1.13sep

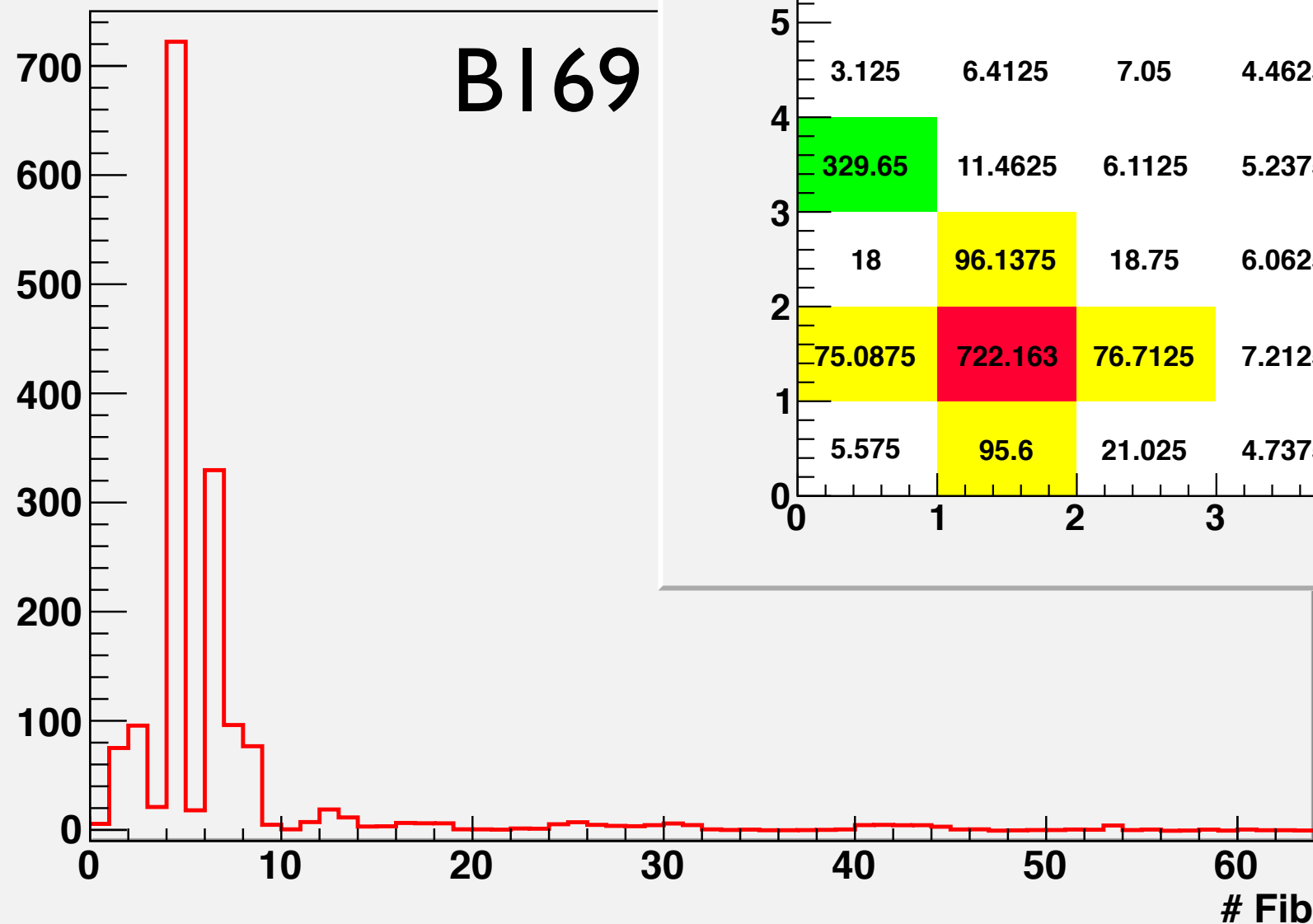


Allienamento PMT#3 fatto
Oss: Problema in saturazione

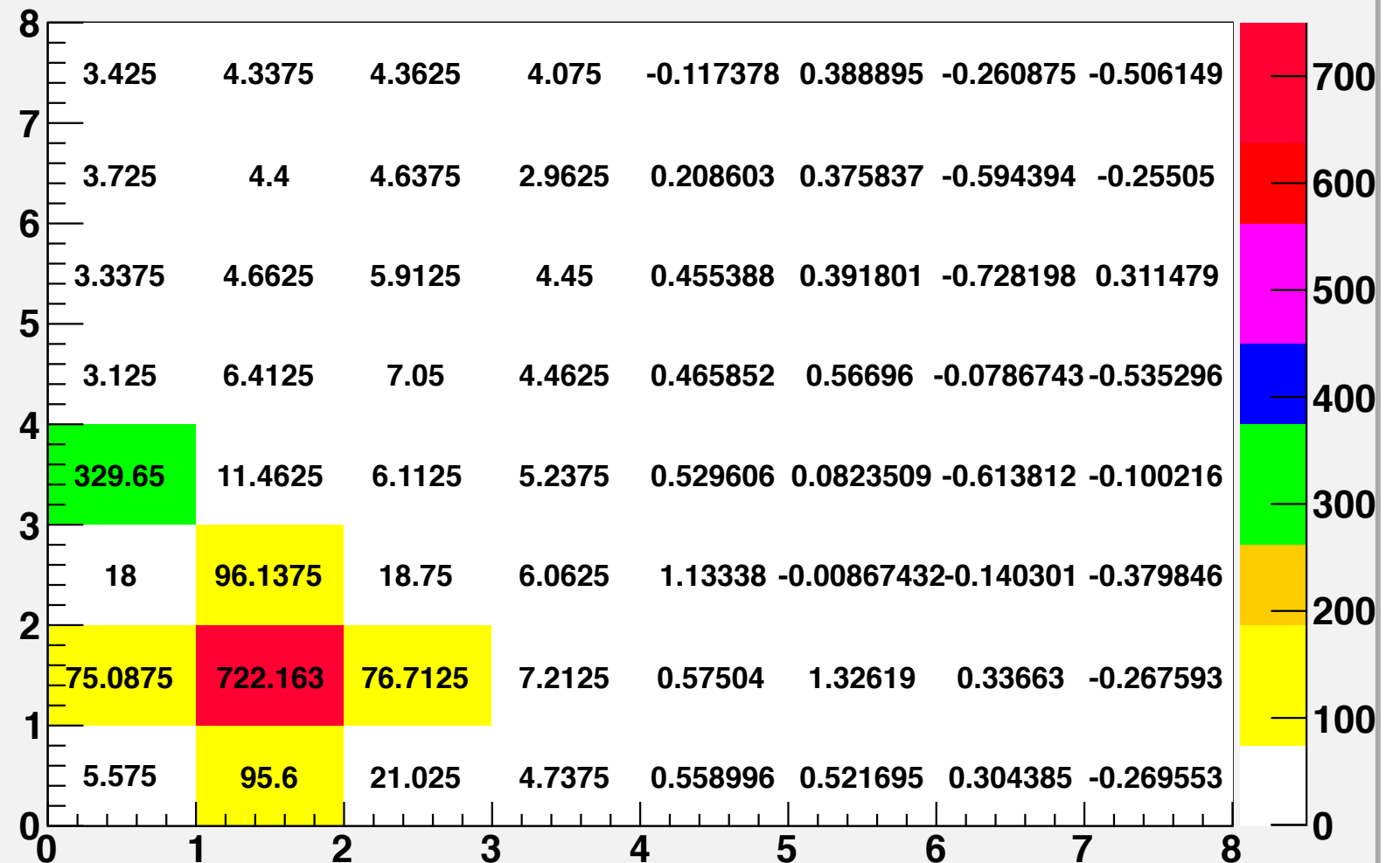
Saturazione PMT#3: v1.13sep

In saturazione

Signal - Pedestal

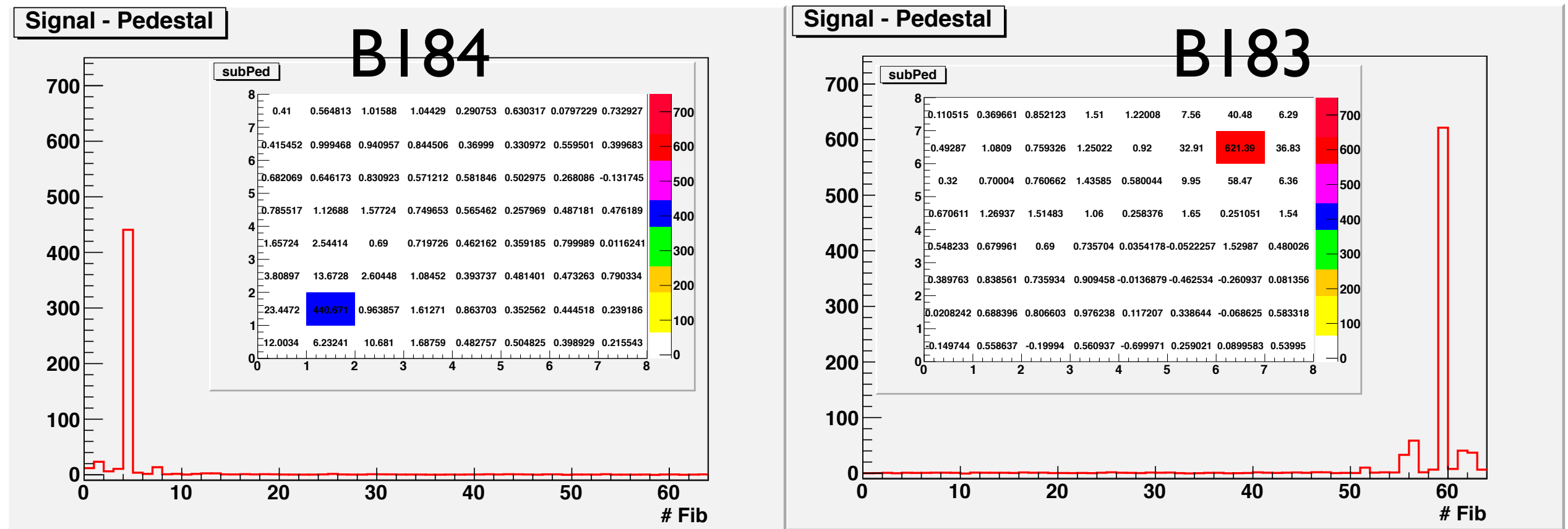


subPed



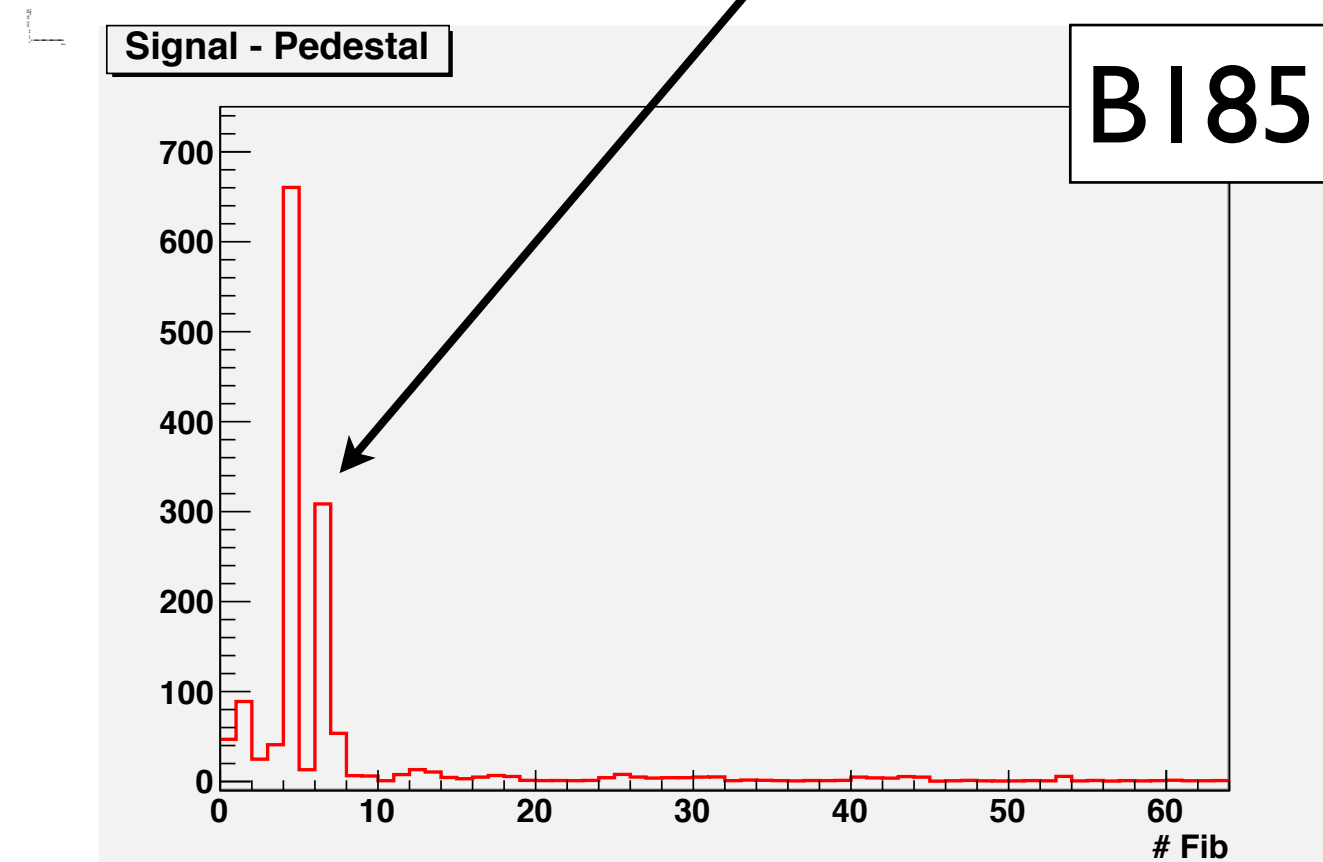
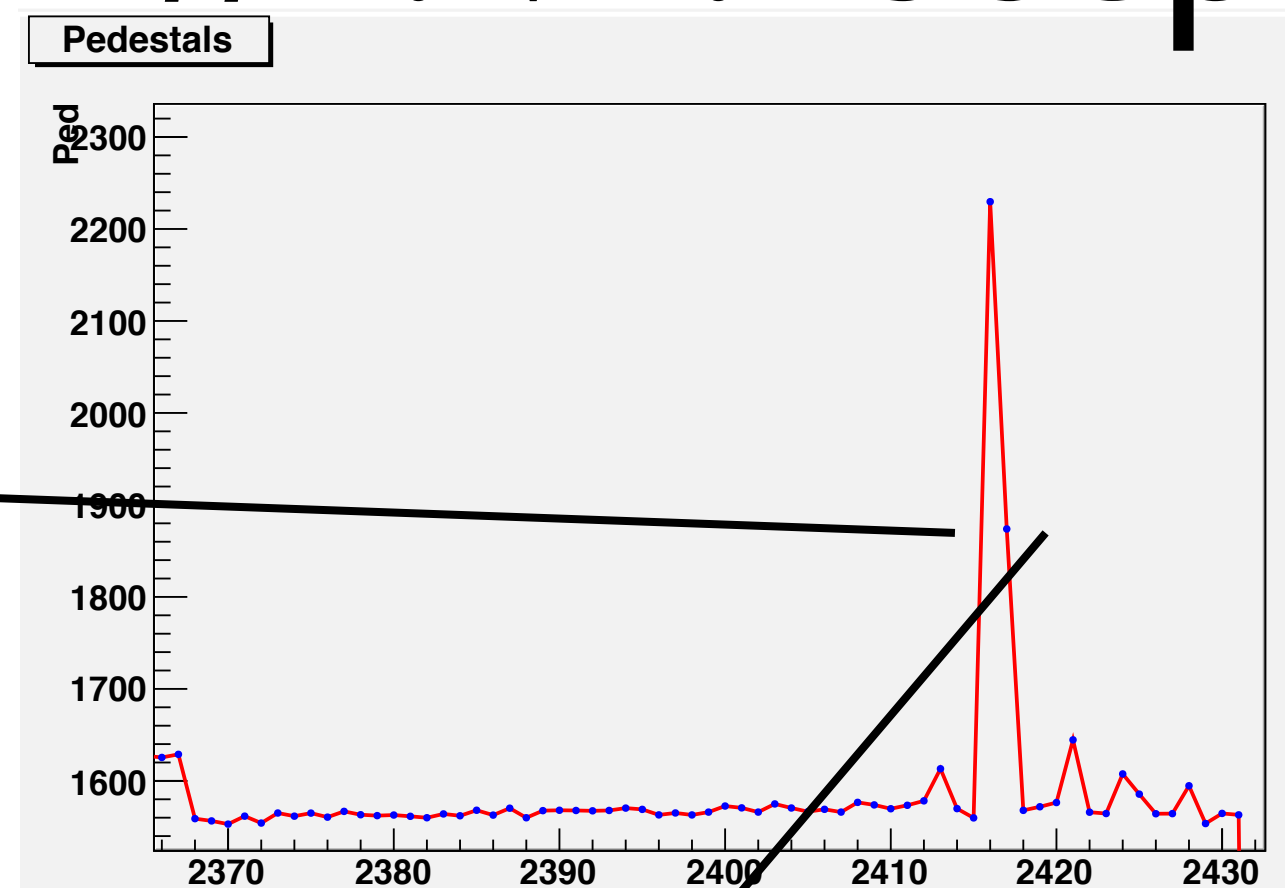
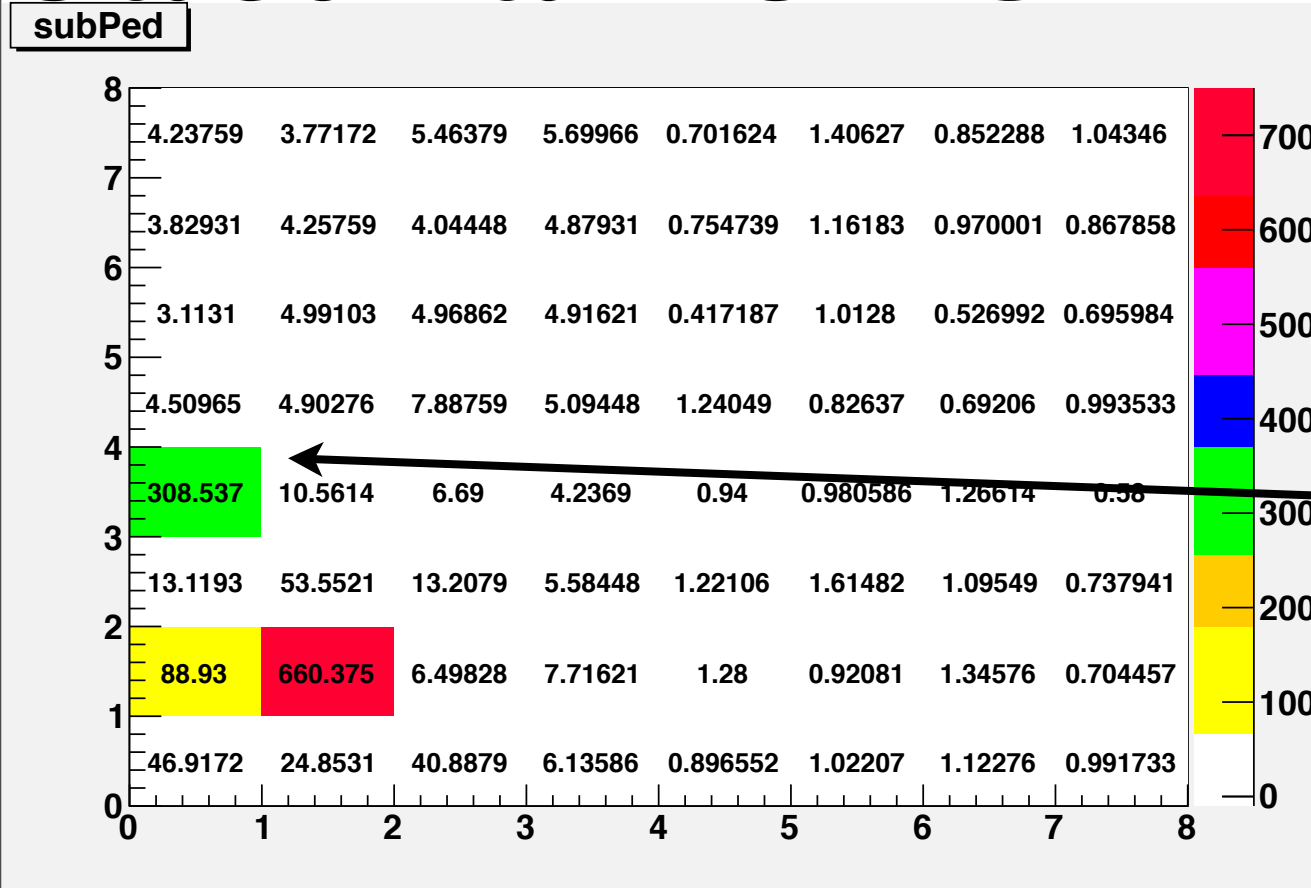
Sembra un
problema di
piste di
elettronica

PMT#4 alignment: v1.13sep



Allienamento PMT#4 fatto
Oss: Problema in saturazione

Saturazione PMT#4: v1.13sep



B185

L'accensione della f(06-04)
corrisponde a segnale su 2 canali
elettronica vicini(49-48)

fibre/ch elettronica

28/58	42/50	43/42	53/34	54/31	60/23	61/15	63/7
27/59	29/51	41/43	44/35	52/30	55/22	59/14	62/6
15/62	26/54	30/46	40/38	45/27	51/19	56/11	58/3
14/63	16/55	25/47	31/39	39/26	46/18	50/10	57/2
6/49	13/44	17/37	24/32	32/25	38/20	47/13	49/8
5/52	7/45	12/40	18/33	23/28	33/21	37/16	48/9
1/53	4/48	8/41	11/36	19/29	22/24	34/17	36/12
0/56	2/57	3/60	9/61	10/0	20/1	21/4	35/5