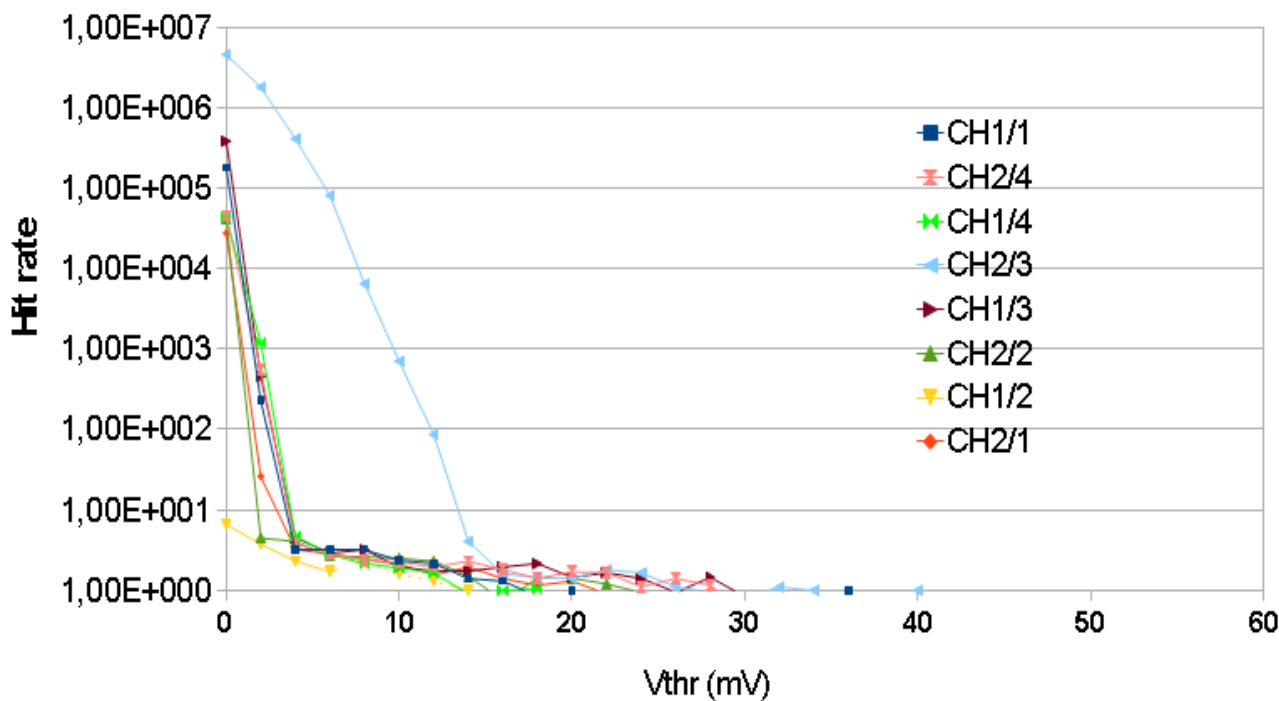


BCM1F Vthr scans (November 2011)

Several threshold voltage scans were done with the discriminator v258B in steps of 2 mV:

- Vthr scans without beam:
 - 2 consecutive scans on 10/11/2011
 - 1 scan on 25/11/2011
- Vthr scans with HI beam:
 - 2 scans on 23/11/2011 at HV=250V
 - 1 scan on 24/11/2011 at HV=300V
 - 1 scan on 24/11/2011 at HV=350V

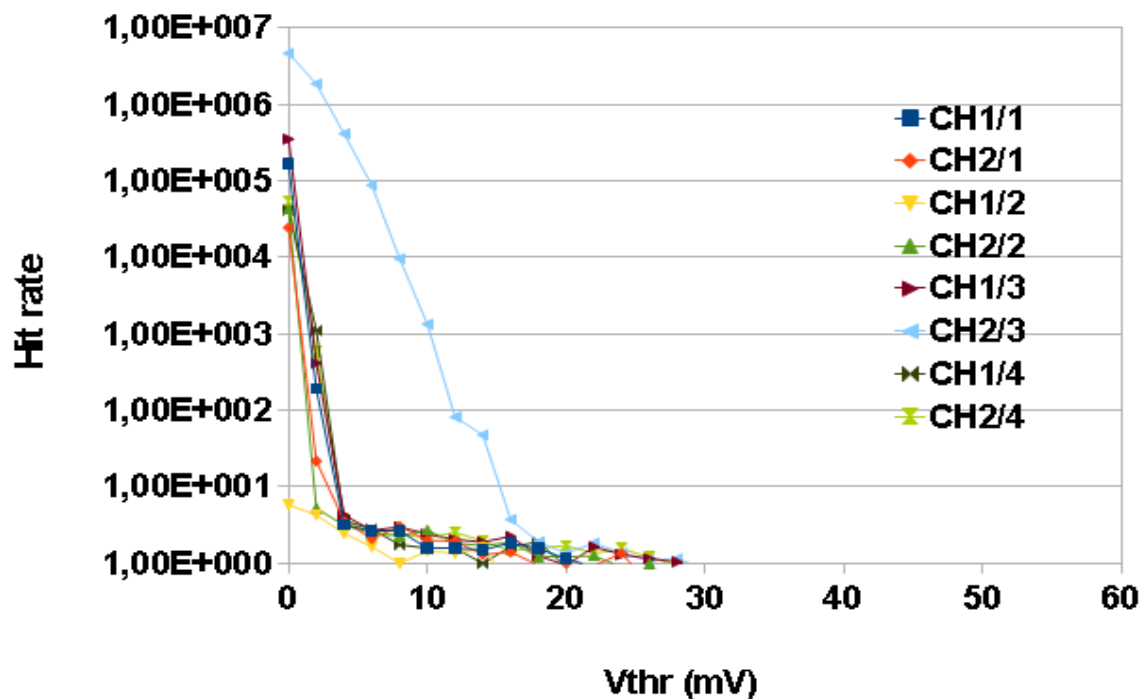
Vthr scans for 8 BCM1F channels with no beam (10/11/2011 @ 13:01)



**10/11/2011 NO BEAM
HV=250V**

The 2 consecutive scans agree in the rates
CH2/3 high rates
CH 1 / 2 low rates

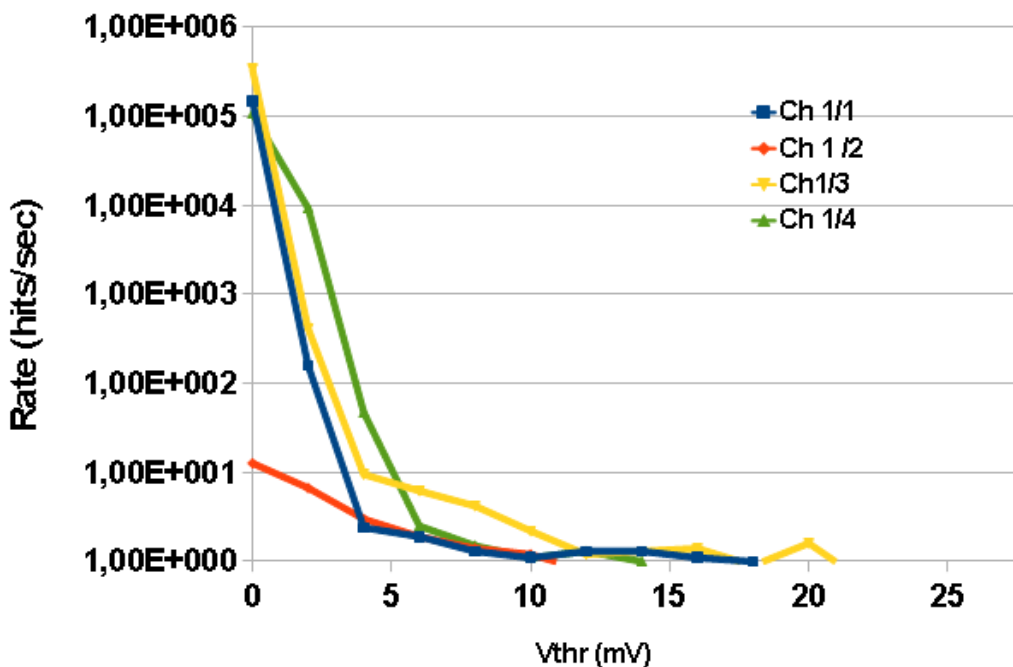
Vthr scans for 8 BCM1F channels with no beam (10/11/2011 @13:12)



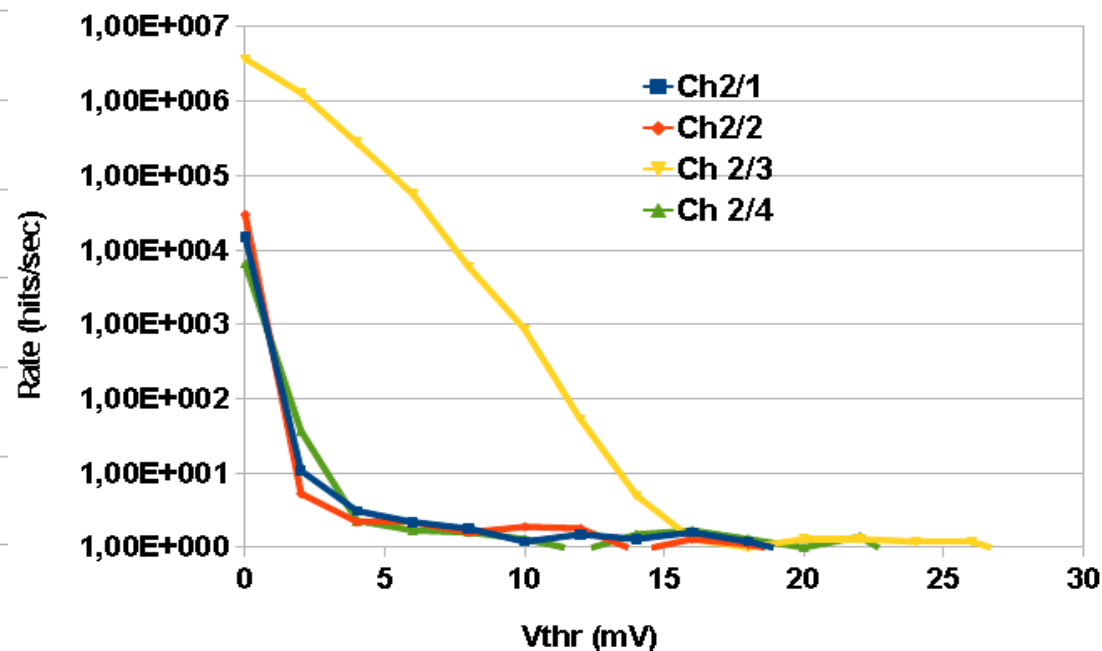
25/11/2011 NO BEAM and HV=250V

The new scan agrees with the one on 10/11/2011

Vthr scan without beam (25/11/2011)



Vthr scan without beam (25/11/2011)



Vthr scans in presence of HI beam

A total of 4 scans in presence of beam:

- 2 scans with HV = 250V
- 1 scan with HV=300V
- 1 scan with HV=350V

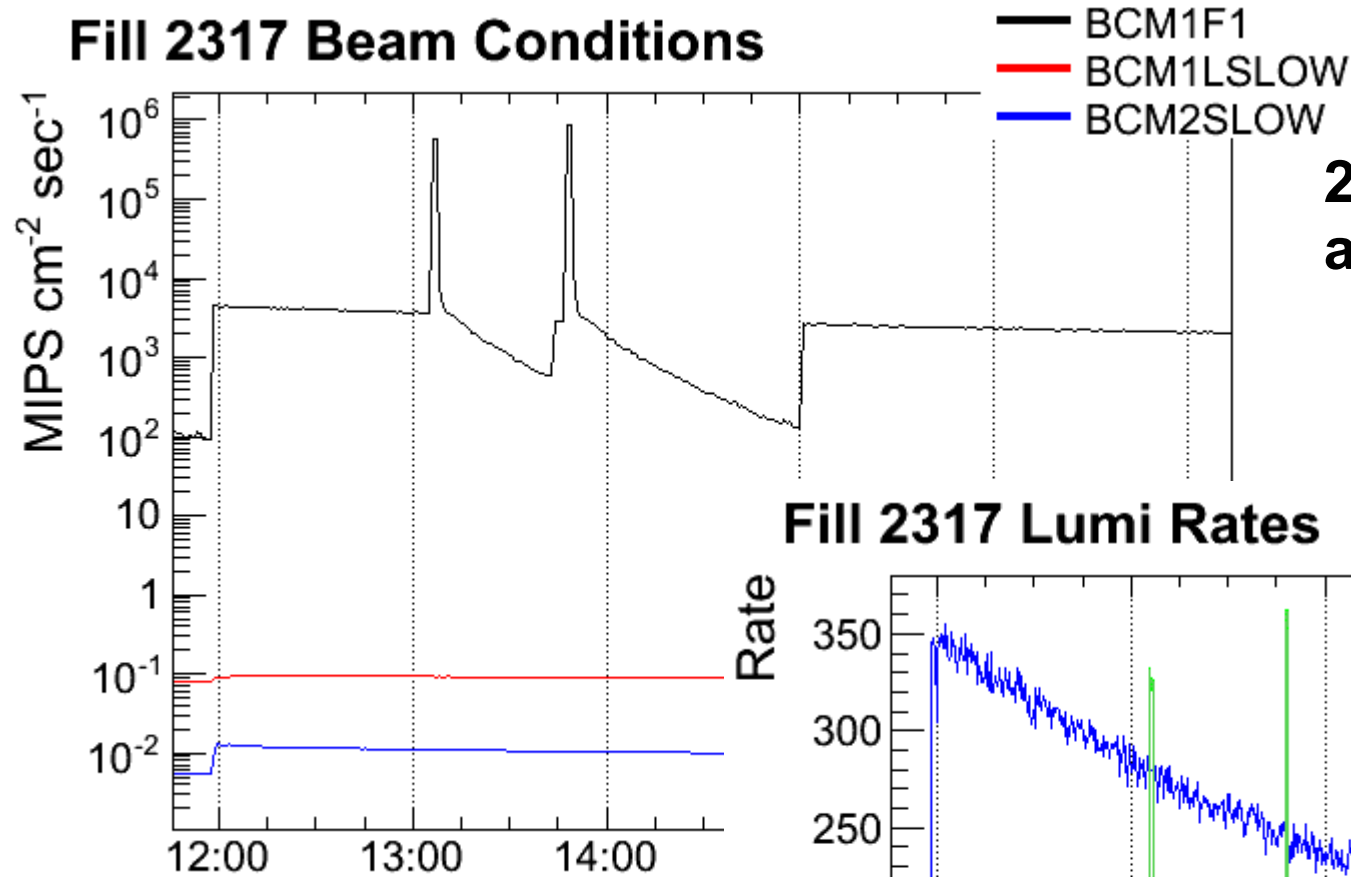
Next two slides show the beam injection pattern, beam conditions and instant lumi during the scans.

The last 8 slides show the overlap of the data points for the different scans.

CH 2/3 still has high rates for low vthr and CH 1/2 does not show the pedestal peak.

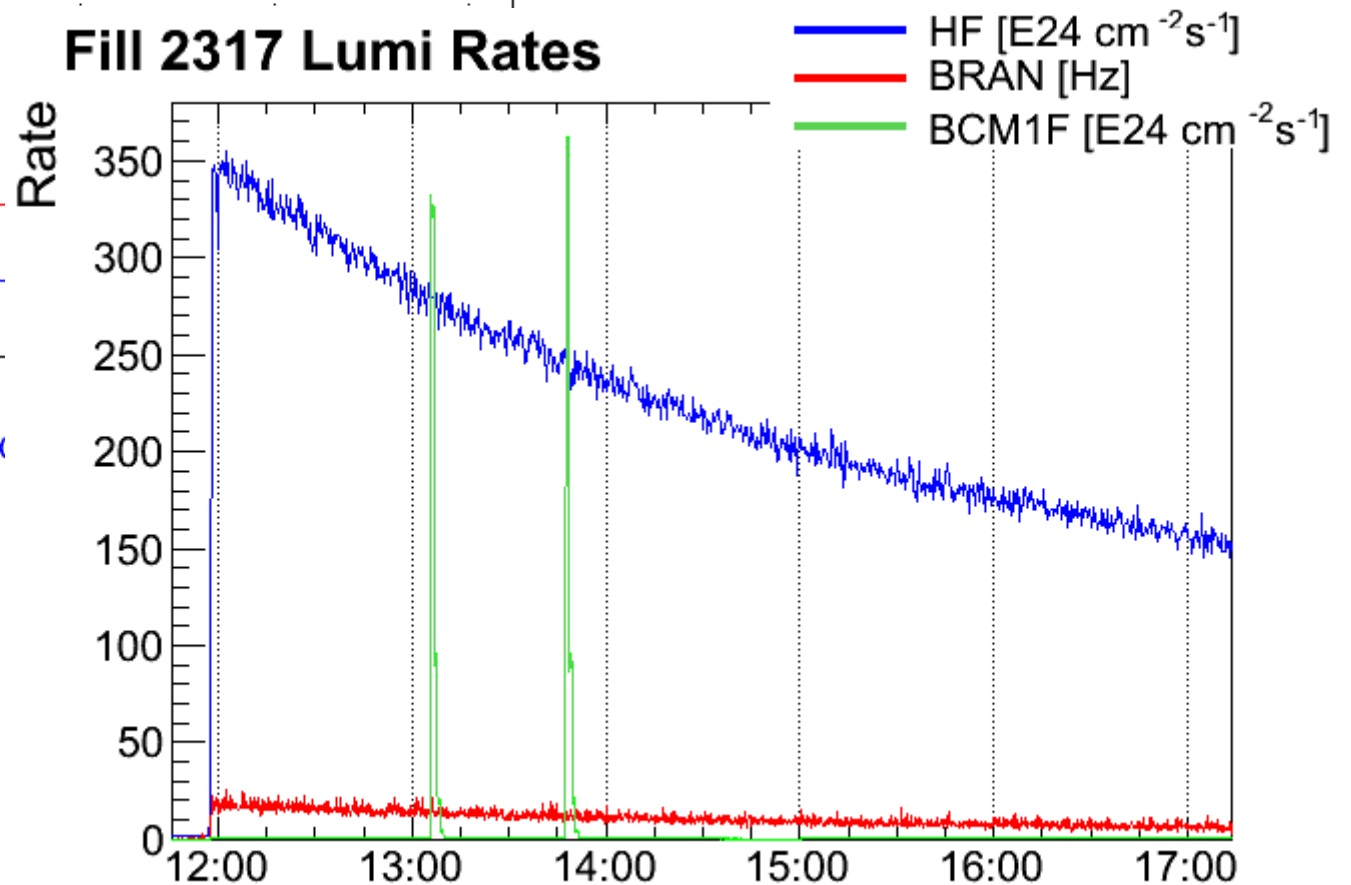
InjectionScheme 200ns_358b_356_336_0_24bpi15inj_IONS

Fill 2317 Beam Conditions



2vthr scans on the 23rd Nov
at 250V

Fill 2317 Lumi Rates



2011.11.22 21:31:34 to 2011.11.23 17:13:34 (

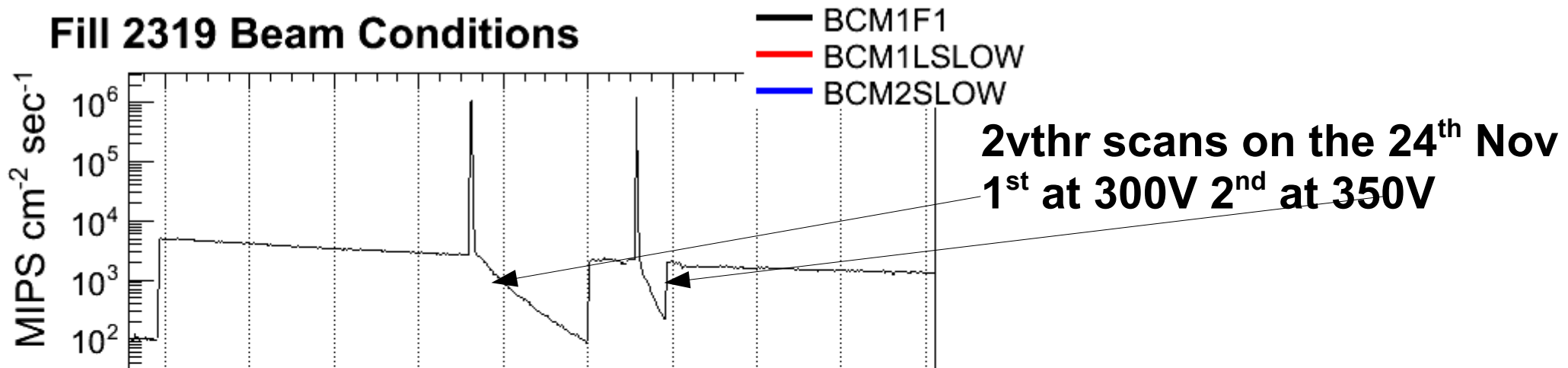
28.11.11

2011.11.22 21:31:34 to 2011.11.23 17:13:34 GMT

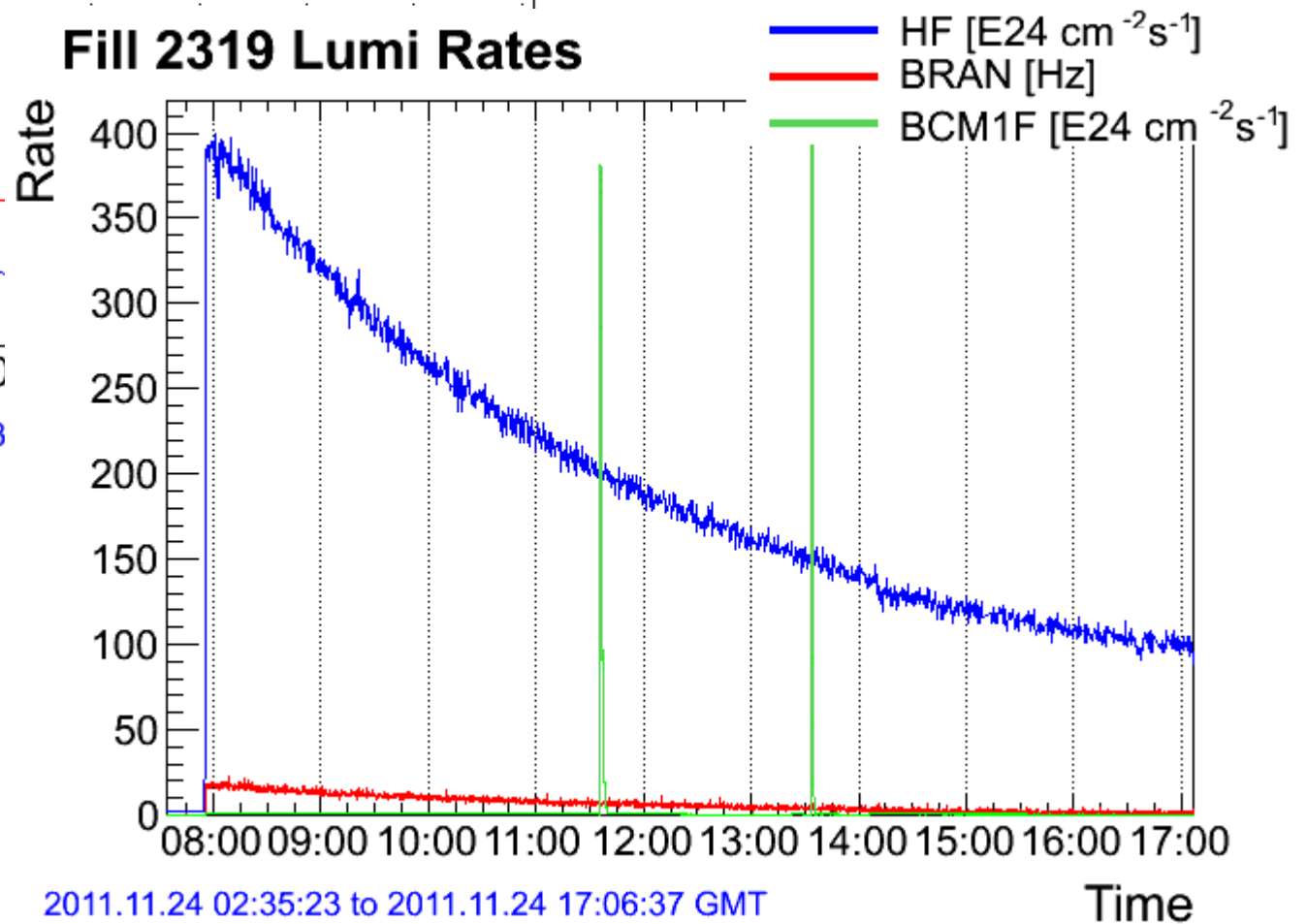
Time

InjectionScheme 200ns_358b_356_336_0_24bpi15inj_IONS

Fill 2319 Beam Conditions



Fill 2319 Lumi Rates

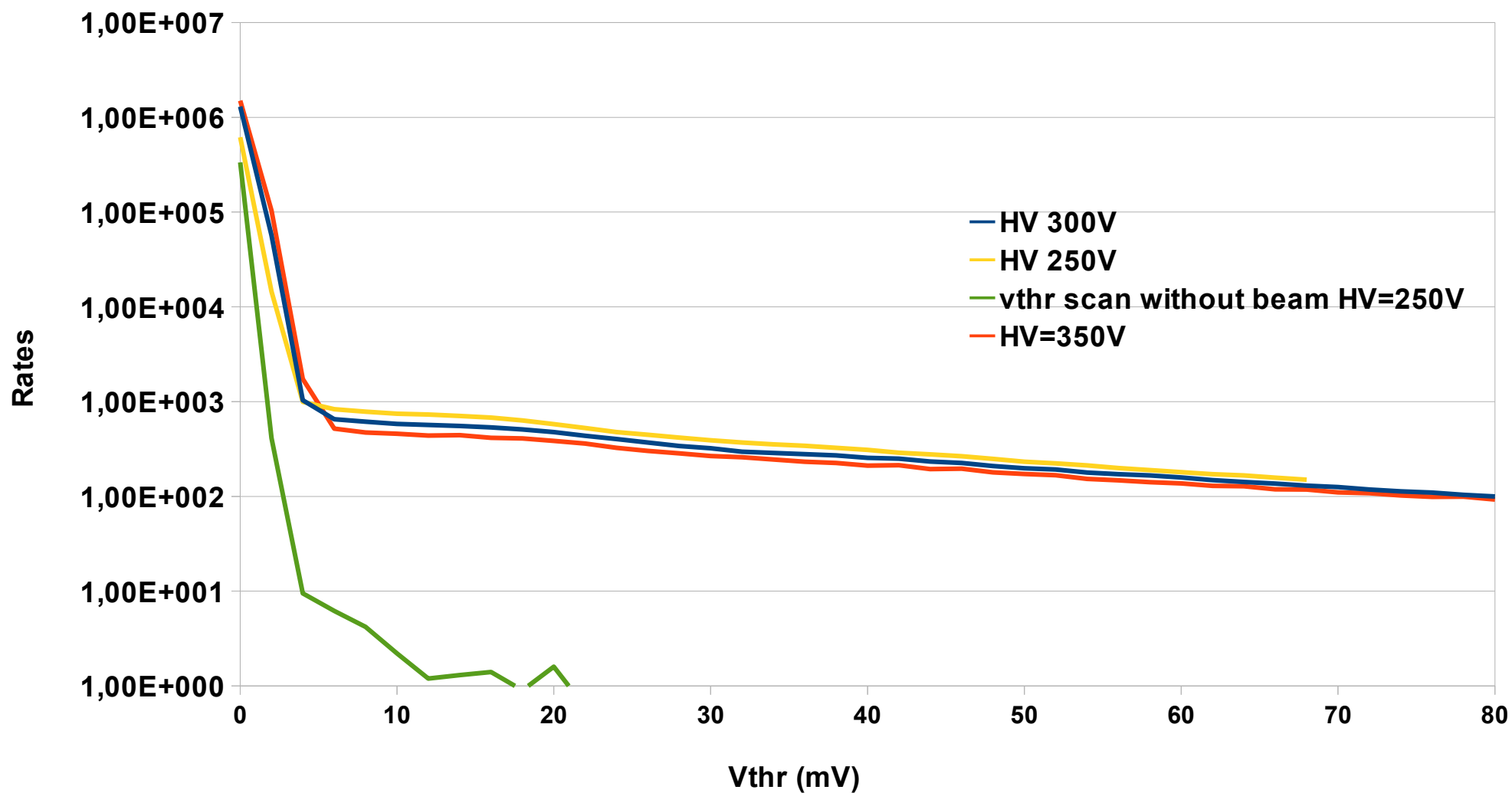


2011.11.24 02:35:23 to 2011.11.24 17:06:3

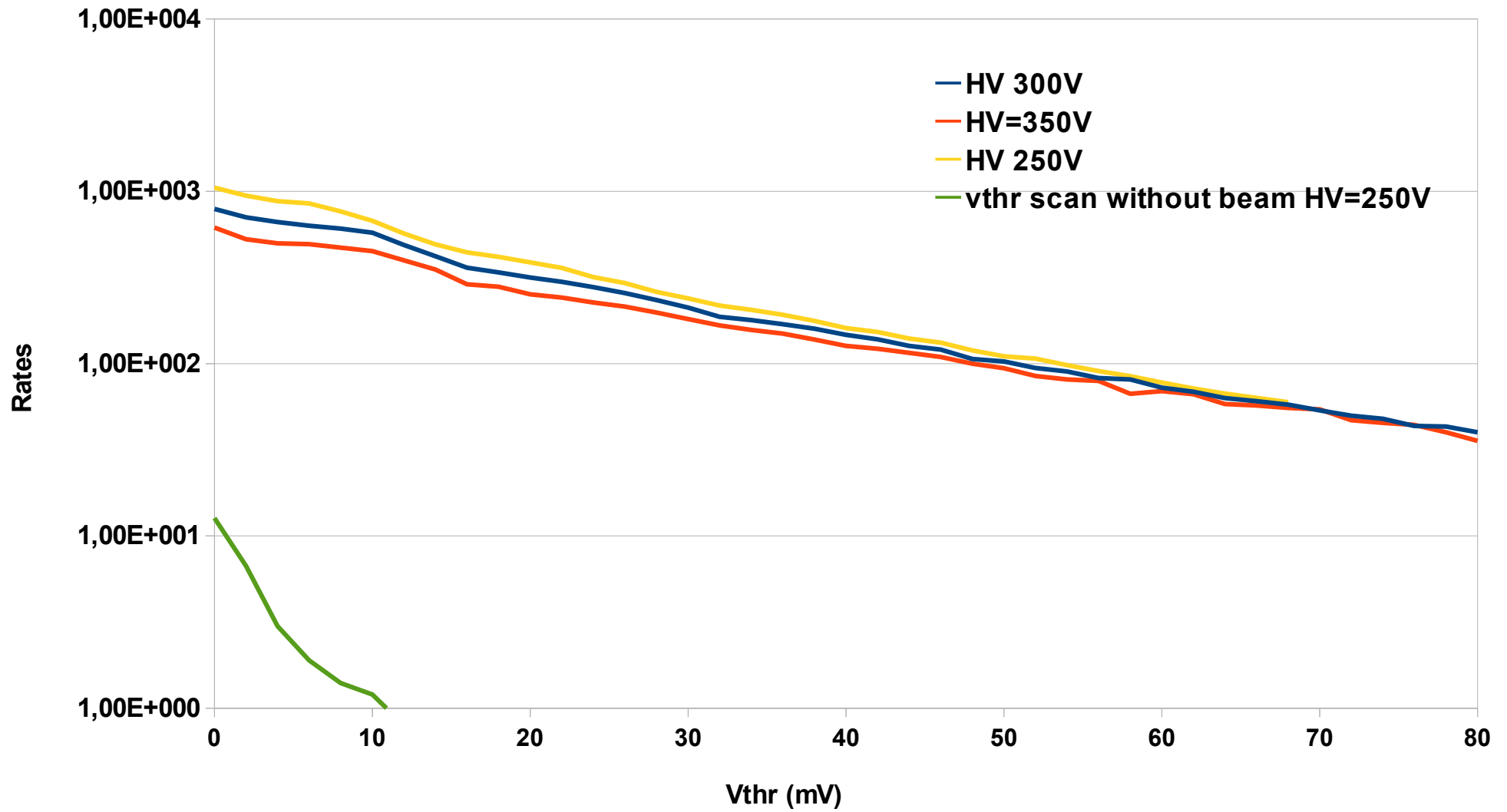
28.11.11

2011.11.24 02:35:23 to 2011.11.24 17:06:37 GMT

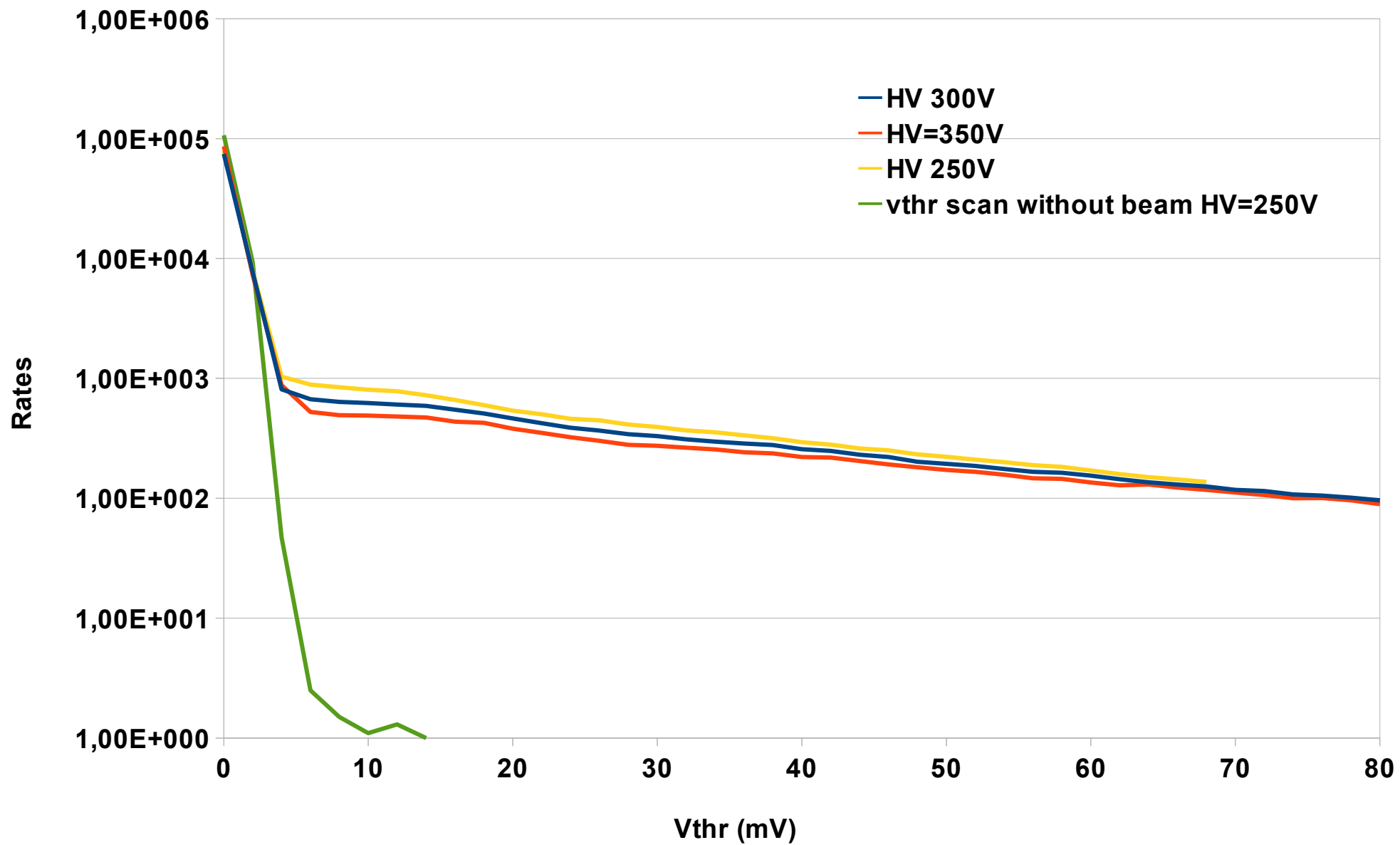
CH 1/3 vthr scan



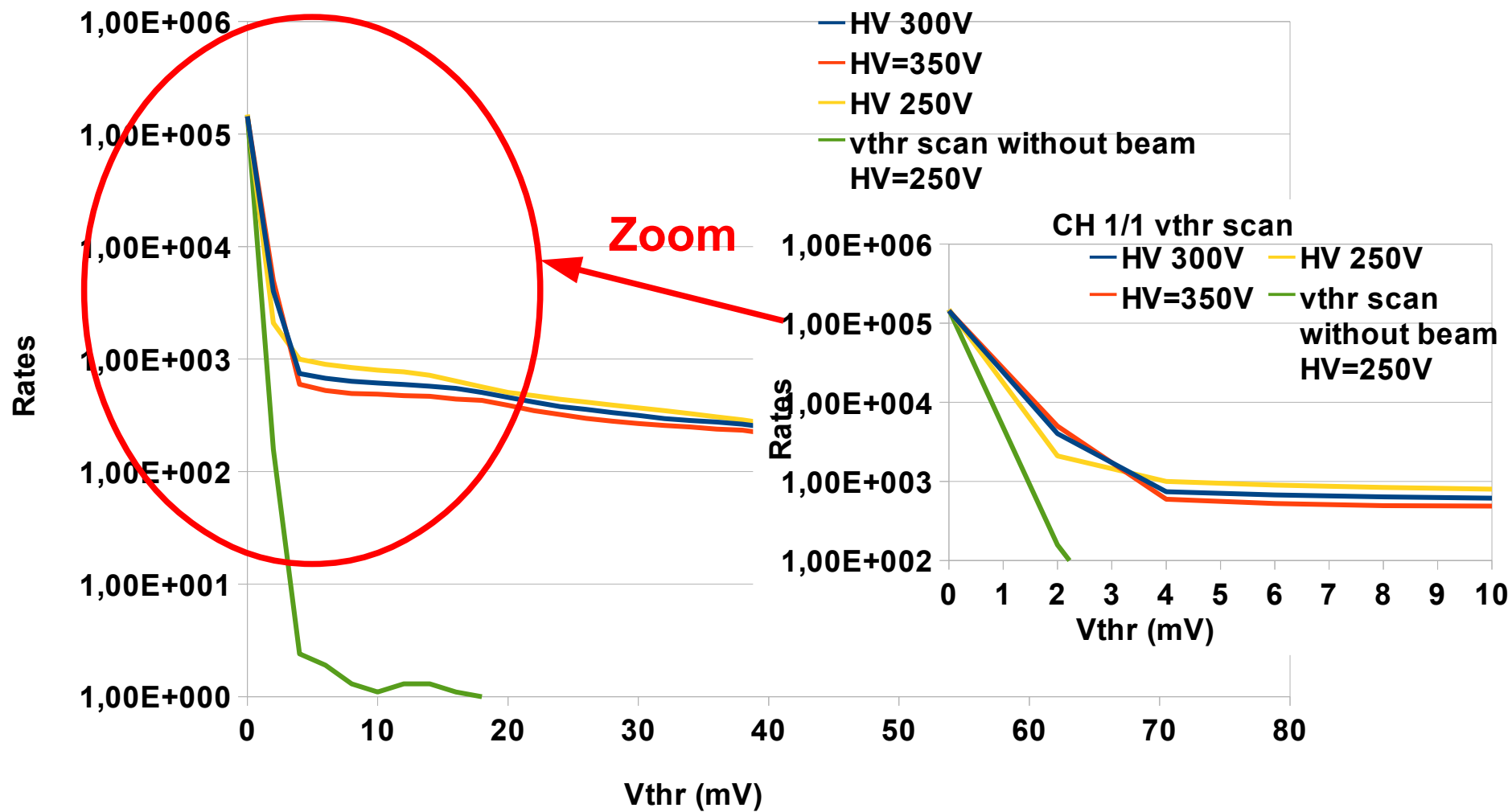
CH 1 /2 vthr scan



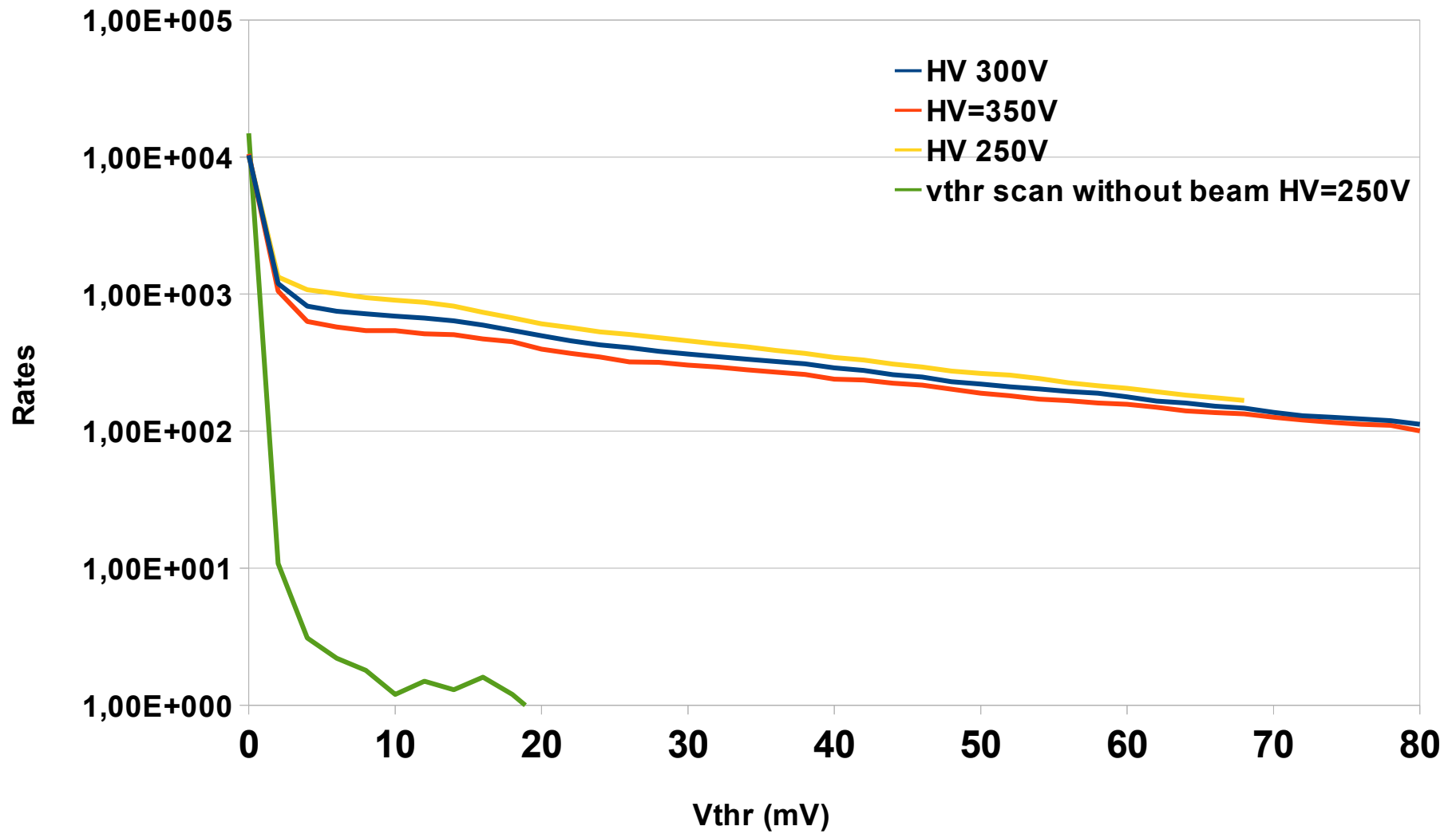
CH 1 /4 vthr scan



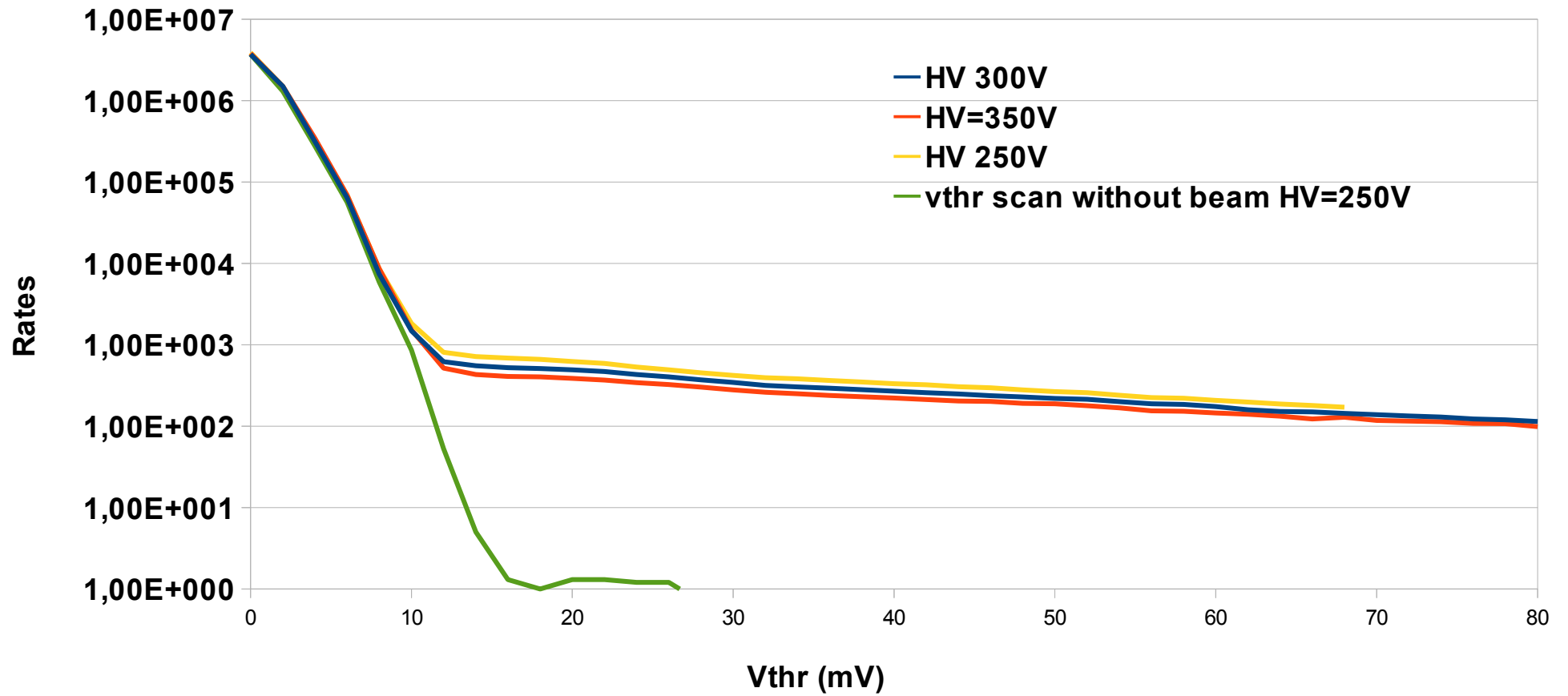
CH 1/1 vthr scan



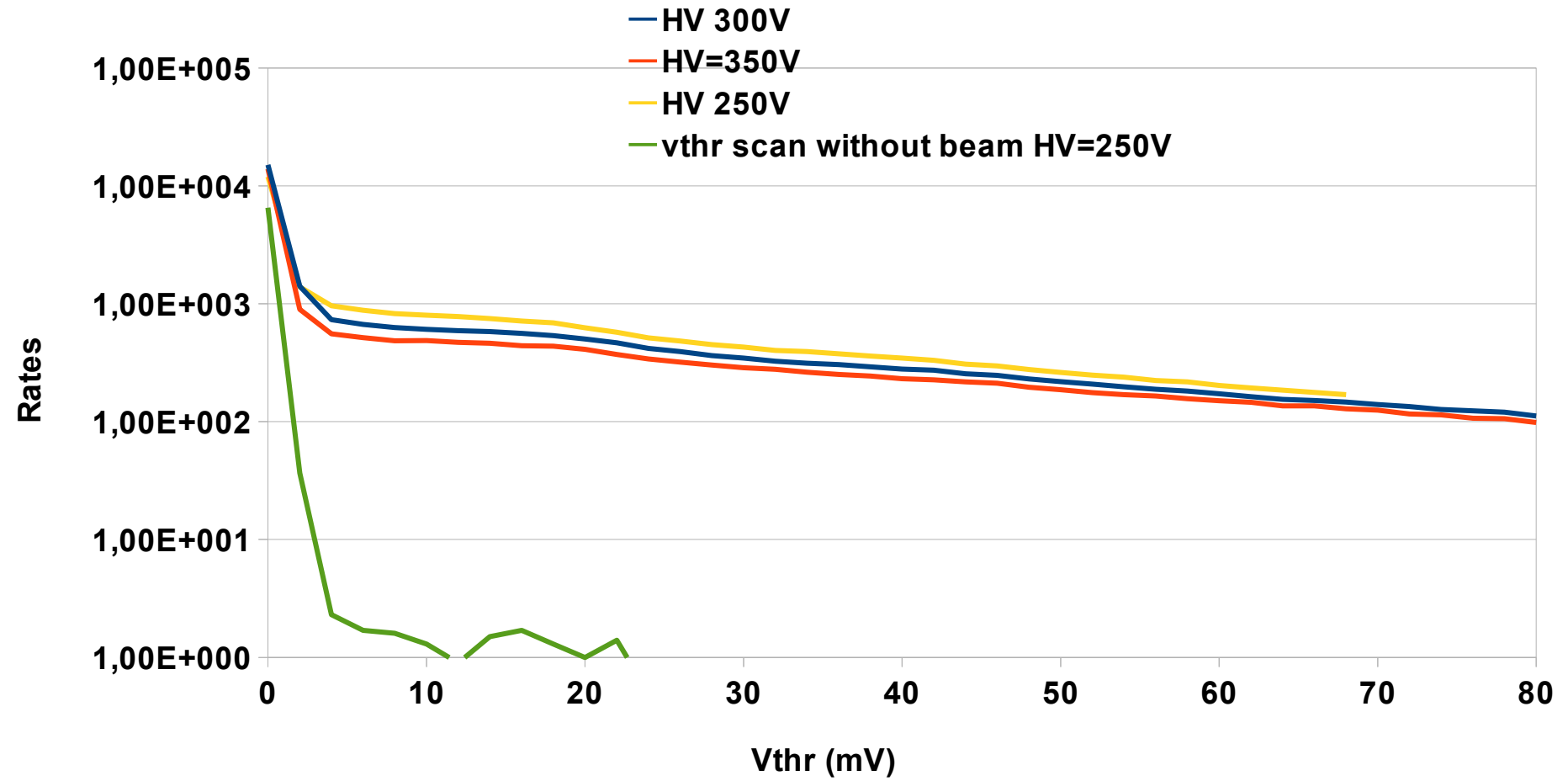
CH 2/1 vthr scan



CH 2/3 vthr scan



CH 2/4 vthr scan



CH 2/2 vthr scan

