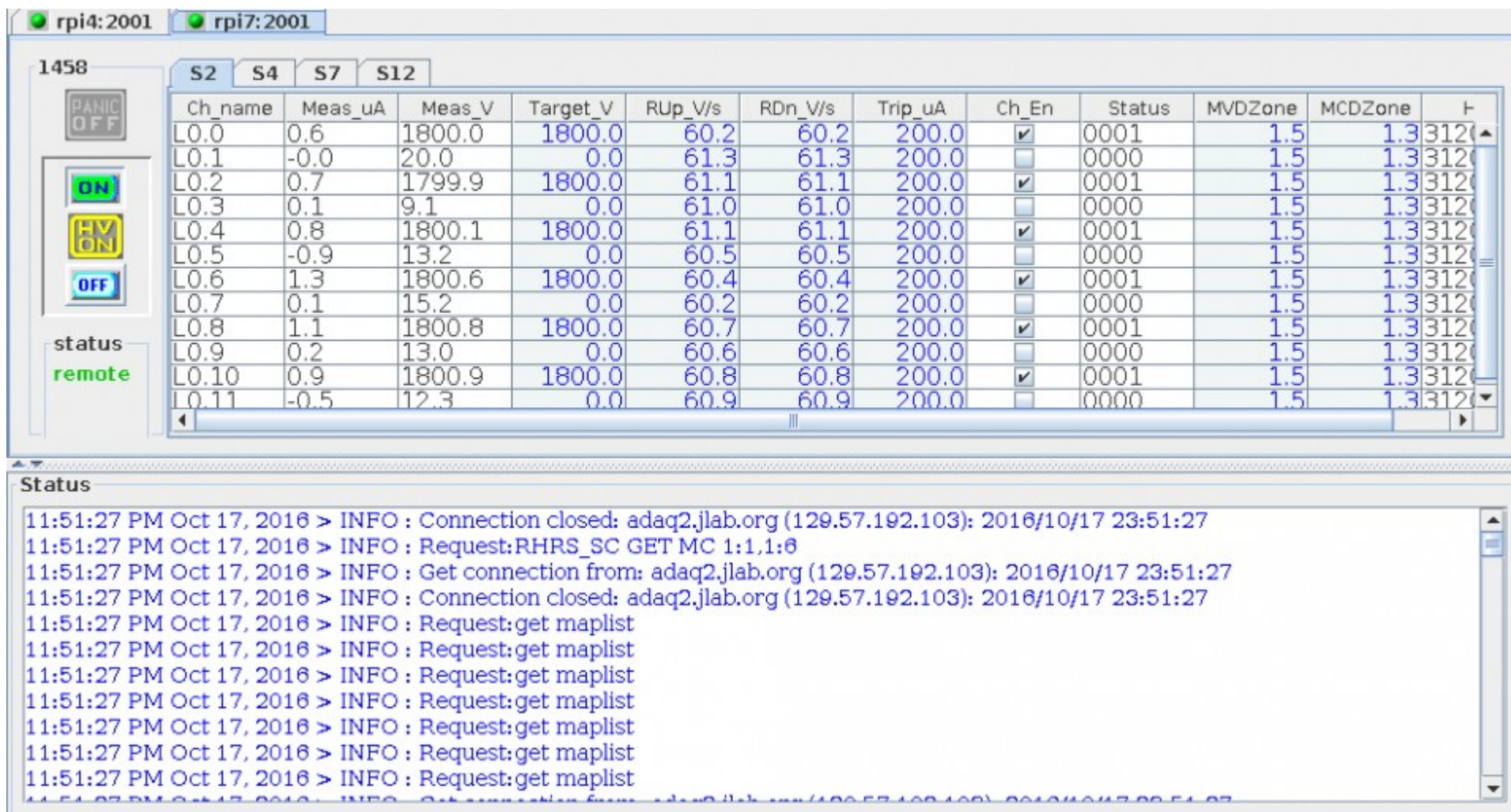


The HV GUI



The screenshot displays the HV GUI interface. At the top, there are two status indicators: a green dot for 'rpi4: 2001' and a green dot for 'rpi7: 2001'. Below this, the main window is titled '1458' and contains several control buttons: 'PANIC OFF' (grey), 'ON' (green), 'HV ON' (yellow), and 'OFF' (blue). A 'status remote' label is also present.

The central part of the window is a table with columns: Ch_name, Meas_uA, Meas_V, Target_V, RUp_V/s, RDn_V/s, Trip_uA, Ch_En, Status, MVDZone, MCDZone, and F. The table lists 12 channels (L0.0 to L0.11) with their respective measurements and settings.

Below the table is a 'Status' window containing a log of system events, including connection status changes and requests for maplists.

Ch_name	Meas_uA	Meas_V	Target_V	RUp_V/s	RDn_V/s	Trip_uA	Ch_En	Status	MVDZone	MCDZone	F
L0.0	0.6	1800.0	1800.0	60.2	60.2	200.0	<input checked="" type="checkbox"/>	0001	1.5	1.3	3120
L0.1	-0.0	20.0	0.0	61.3	61.3	200.0	<input type="checkbox"/>	0000	1.5	1.3	3120
L0.2	0.7	1799.9	1800.0	61.1	61.1	200.0	<input checked="" type="checkbox"/>	0001	1.5	1.3	3120
L0.3	0.1	9.1	0.0	61.0	61.0	200.0	<input type="checkbox"/>	0000	1.5	1.3	3120
L0.4	0.8	1800.1	1800.0	61.1	61.1	200.0	<input checked="" type="checkbox"/>	0001	1.5	1.3	3120
L0.5	-0.9	13.2	0.0	60.5	60.5	200.0	<input type="checkbox"/>	0000	1.5	1.3	3120
L0.6	1.3	1800.6	1800.0	60.4	60.4	200.0	<input checked="" type="checkbox"/>	0001	1.5	1.3	3120
L0.7	0.1	15.2	0.0	60.2	60.2	200.0	<input type="checkbox"/>	0000	1.5	1.3	3120
L0.8	1.1	1800.8	1800.0	60.7	60.7	200.0	<input checked="" type="checkbox"/>	0001	1.5	1.3	3120
L0.9	0.2	13.0	0.0	60.6	60.6	200.0	<input type="checkbox"/>	0000	1.5	1.3	3120
L0.10	0.9	1800.9	1800.0	60.8	60.8	200.0	<input checked="" type="checkbox"/>	0001	1.5	1.3	3120
L0.11	-0.5	12.3	0.0	60.9	60.9	200.0	<input type="checkbox"/>	0000	1.5	1.3	3120

```
11:51:27 PM Oct 17, 2016 > INFO : Connection closed: adaq2.jlab.org (129.57.192.103): 2016/10/17 23:51:27
11:51:27 PM Oct 17, 2016 > INFO : Request:RHRS_SC GET MC 1:1:1:6
11:51:27 PM Oct 17, 2016 > INFO : Get connection from: adaq2.jlab.org (129.57.192.103): 2016/10/17 23:51:27
11:51:27 PM Oct 17, 2016 > INFO : Connection closed: adaq2.jlab.org (129.57.192.103): 2016/10/17 23:51:27
11:51:27 PM Oct 17, 2016 > INFO : Request:get maplist
11:51:27 PM Oct 17, 2016 > INFO : Request:get maplist
11:51:27 PM Oct 17, 2016 > INFO : Request:get maplist
11:51:27 PM Oct 17, 2016 > INFO : Request:get maplist
11:51:27 PM Oct 17, 2016 > INFO : Request:get maplist
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11:51:27 PM Oct 17, 2016 > INFO : Request:get maplist
11:51:27 PM Oct 17, 2016 > INFO : Request:get maplist
```

HV crates and cards(Old BB set-up)



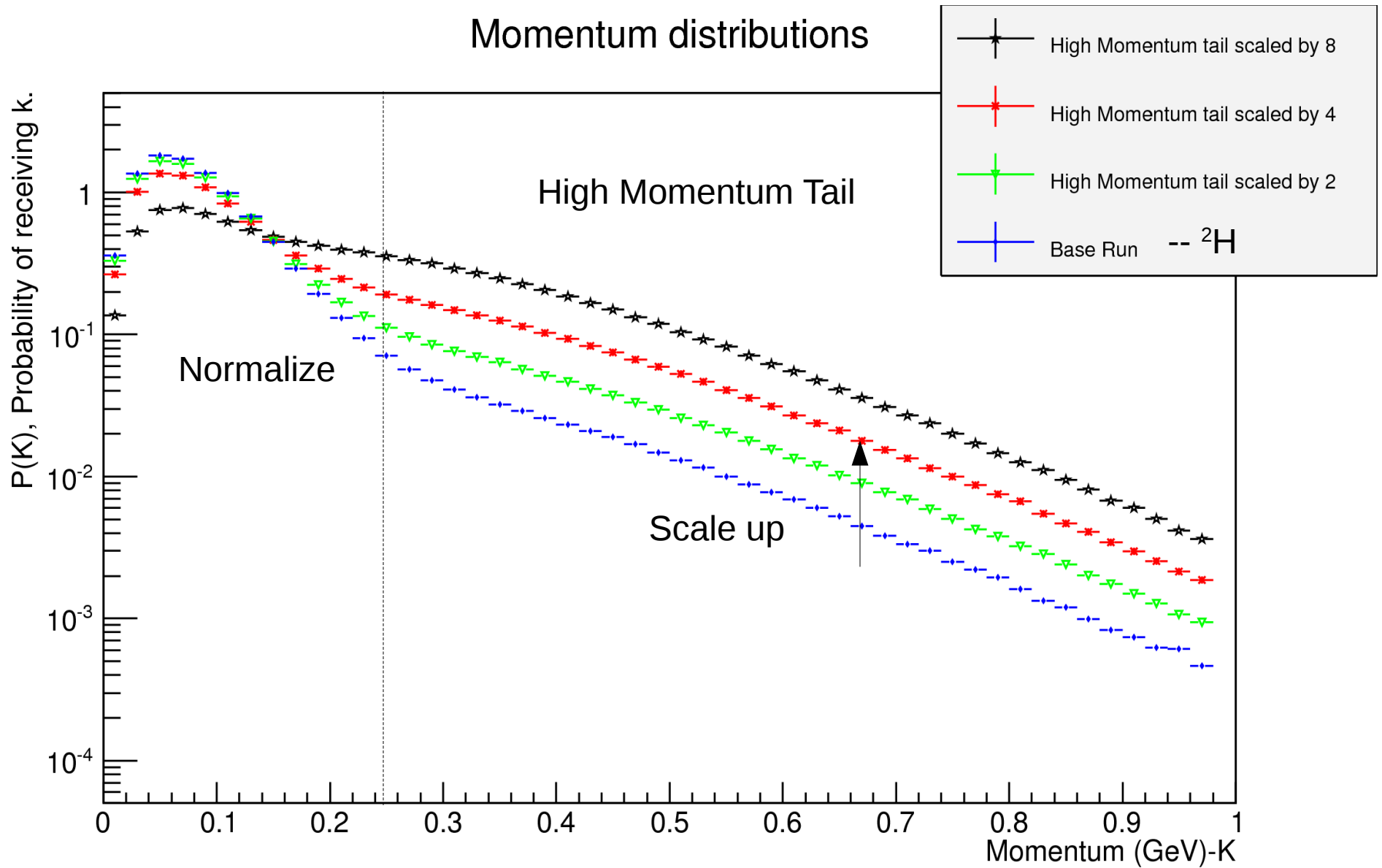
HV

- Start GUI
 - Change to the “slowc” directory
 - Run the comand “./hvs left” or “./hvs right”
 - Logbook entry [3435487](#), says to run the HV GUI on adaq2 (adev@ adaq2)
 - This will allow communication between the Auto logger and the HV GUI

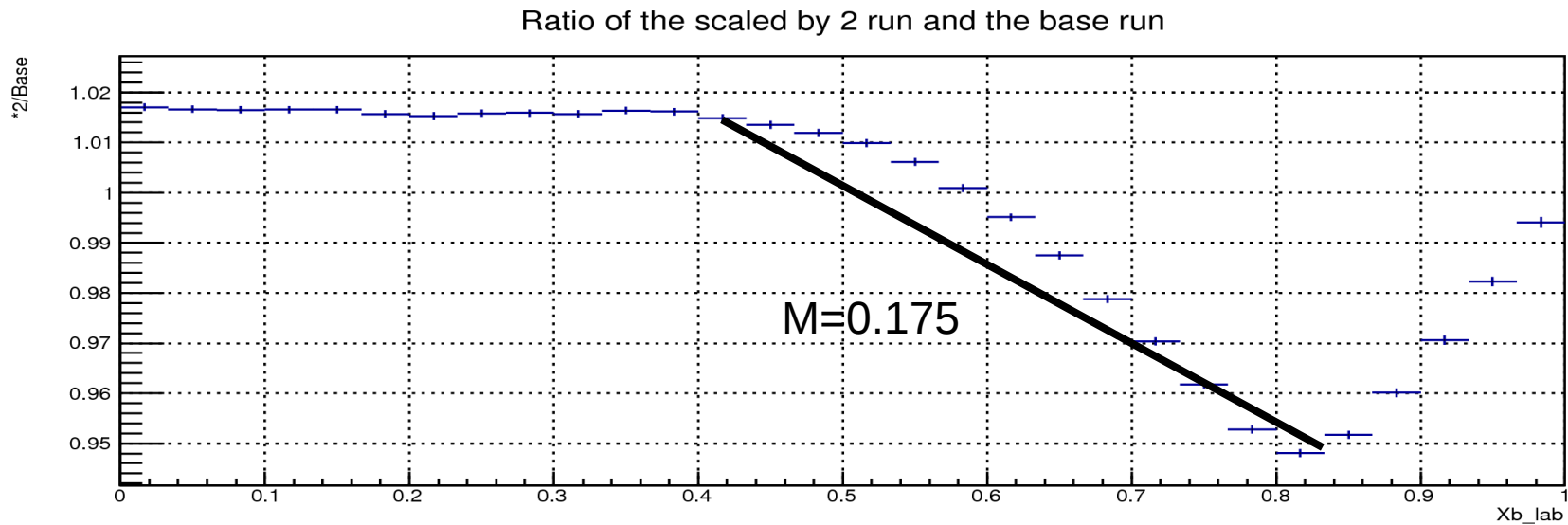
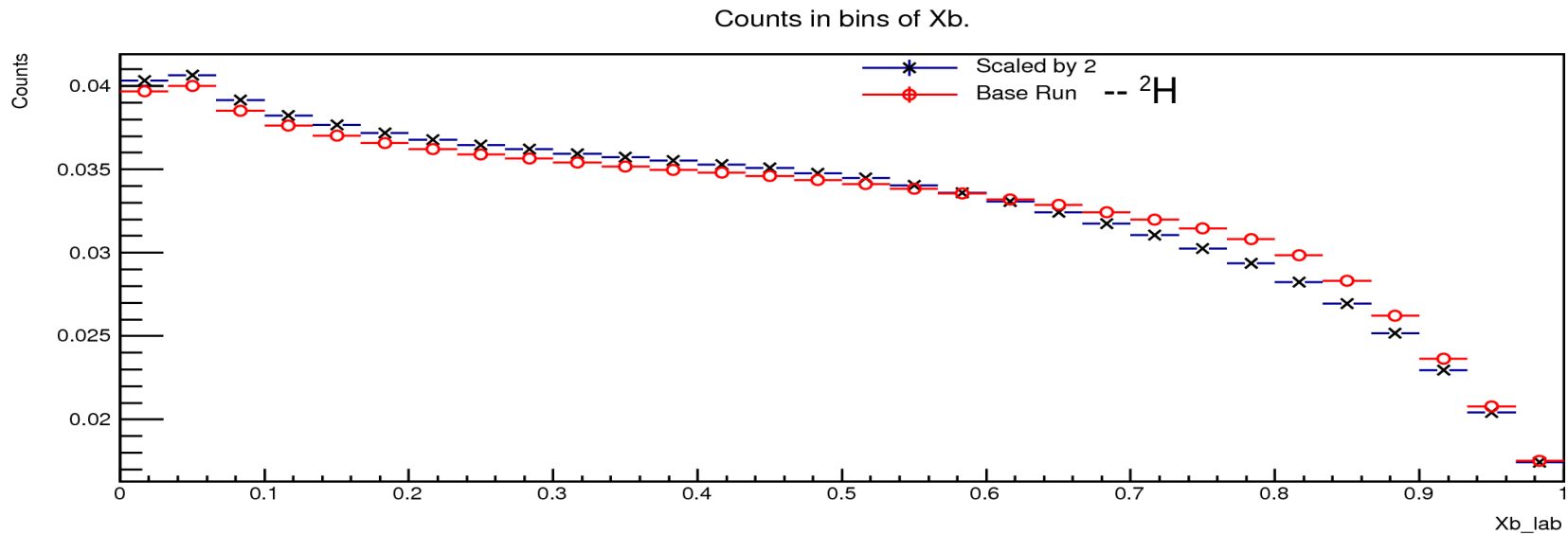
HV

- Most common issues:
 - Communication error with the GUI
 - Fixed by restarting the GUI.
 - A single channel on a HV card goes bad.
 - Solved by using a spare channel to continue powering the detector.
 - Requires access to hall.
 - Need to log all changes: map to cable layouts.
- Not common issue: raspberry pi malfunctions
 - Escorted access: The only time I saw this in the logbook, Bob went in the hall to fix (last April).

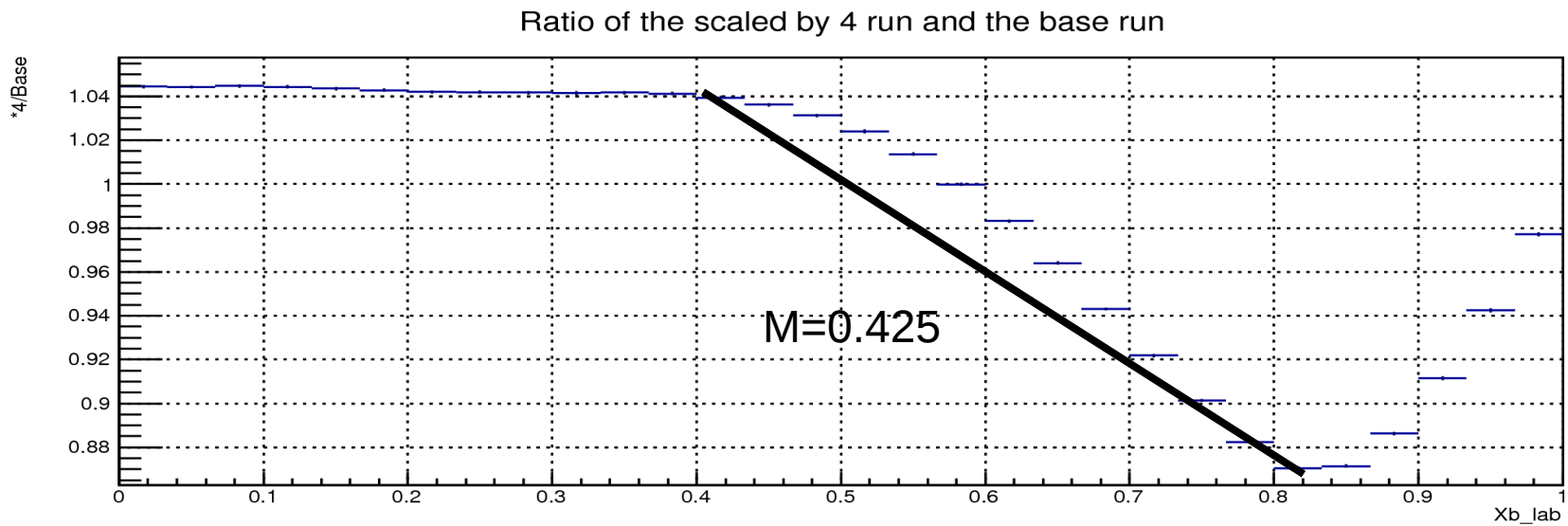
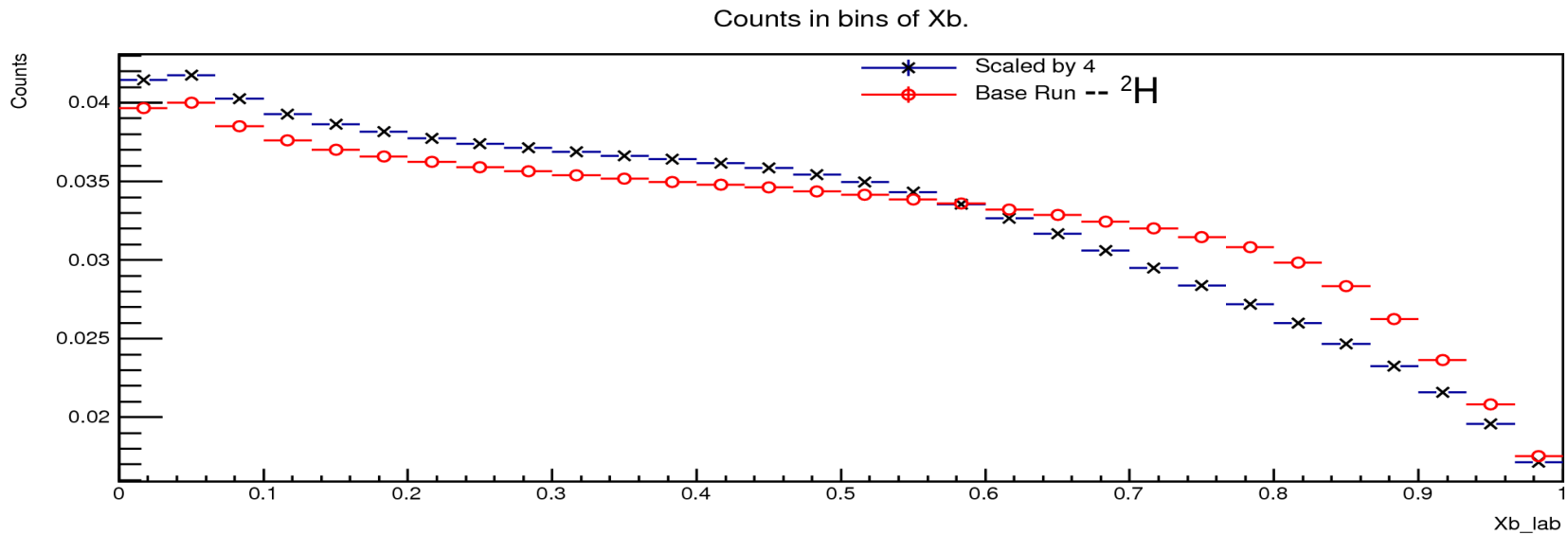
Apply a Momentum distribution to our target proton



Inelastic scattering Results



Inelastic scattering Results



Inelastic scattering Results

