

---

Subject: Re: FRS Calibration Issue  
Posted by [SMilne](#) on Fri, 19 Sep 2014 13:31:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi Liliana!

Well bloody hell! I located my problem with the Z value, ironically I hadn't made this mistake in my previous attempted calibrations... but basically it is supposed to be " $a + bx + cx^2$ " for the calibration, I accidently used my fit coefficients like " $ax^2 + bx + c$ "! I actually did try the Kr calibration settings too, see the examples below.

I'm in the process of sorting my 46Ti, but should look fine, judging from these.

I guess my one question now would be, are these A/Q values sufficiently good? They should be higher (~2.071).

I've also attached my spreadsheet using gnumeric spreadsheet, so you can open it and see what I've done in regards to the TOF and beta calibrations. If you are using Ubuntu you can get it simply using the Ubuntu Software Centre.

Something you or Michael Reese might be able to help me with is how to calibrate the scintillator positions etc. because I lose ~80-90% of events using the TPCs.

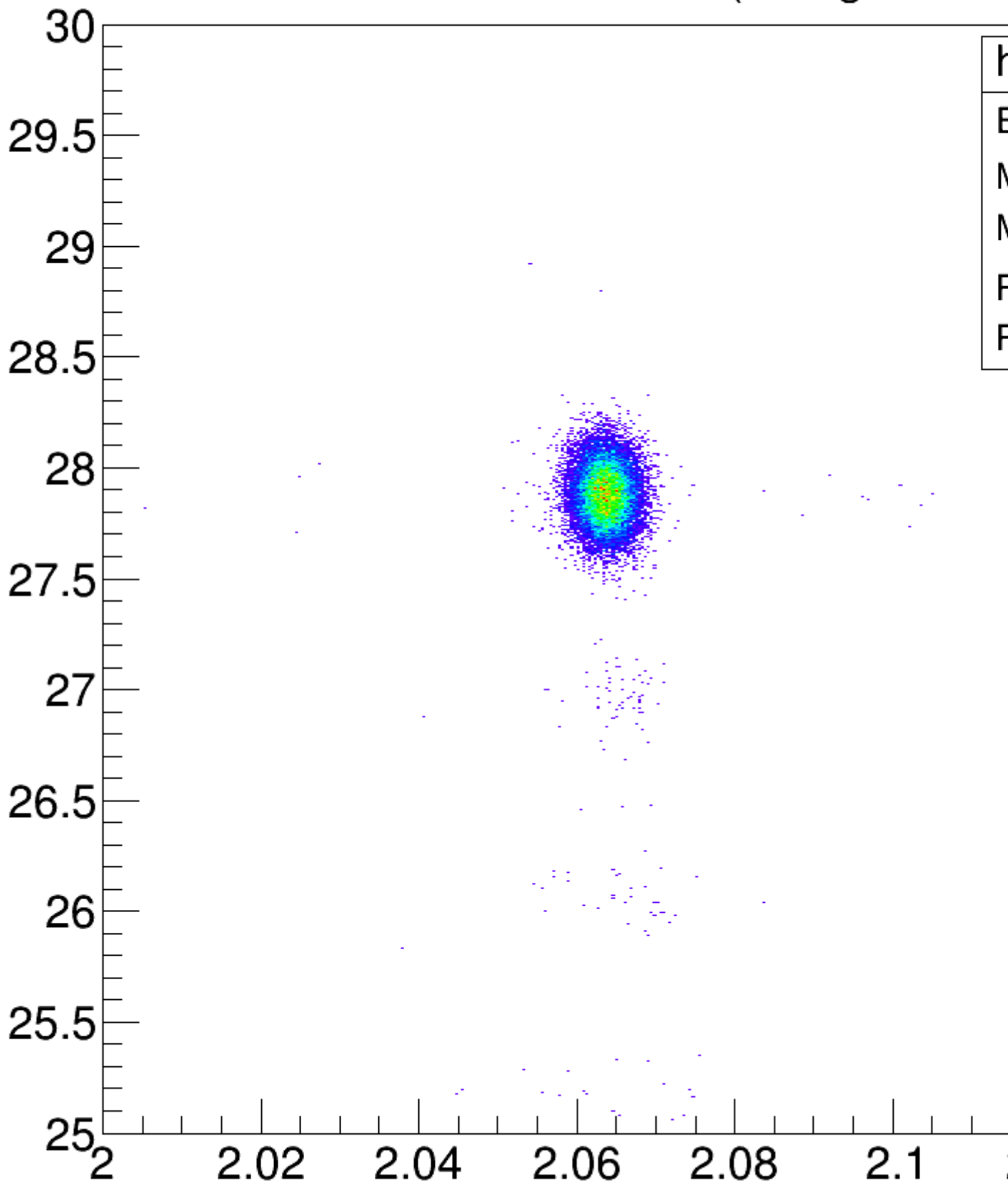
Many thanks,  
Scott

### File Attachments

---

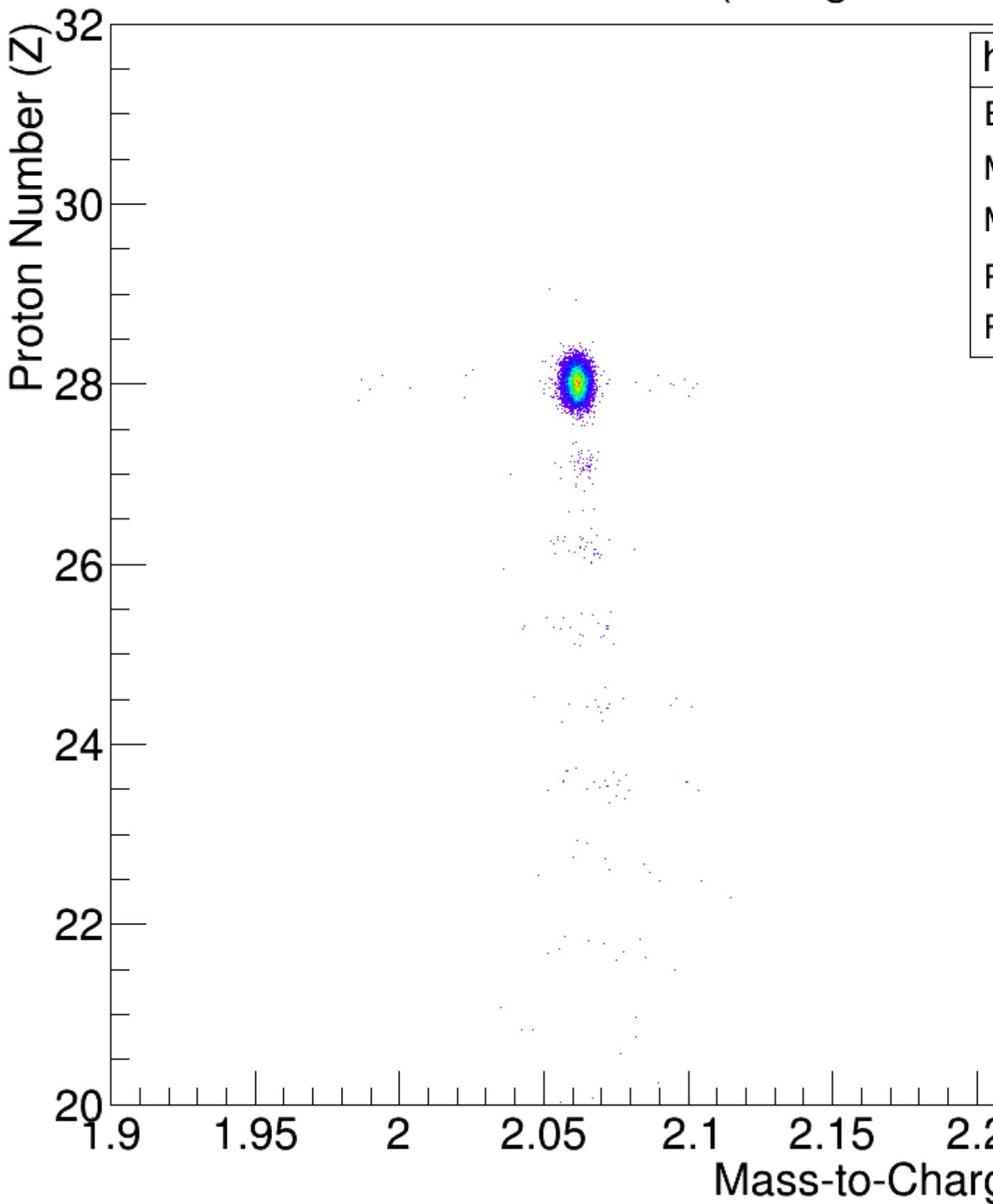
1) [58Ni-Call-Kr.png](#), downloaded 1380 times

# $^{58}\text{Ni}$ Calibration Point 1 (Using Kr Cal)



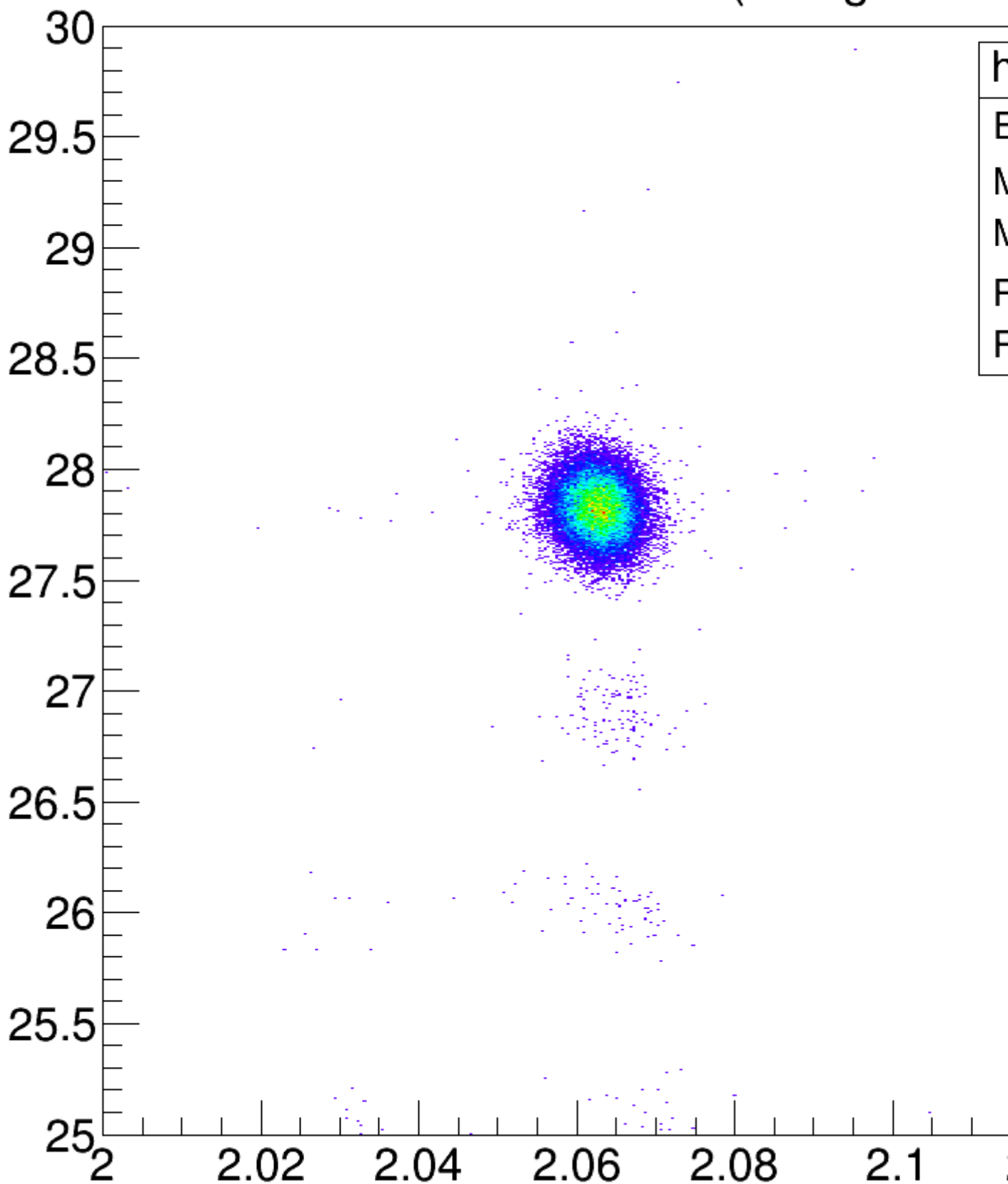
2) [58Ni-Cal1-Ni.png](#), downloaded 1296 times

### $^{58}\text{Ni}$ Calibration Point 1 (Using Ni Cali



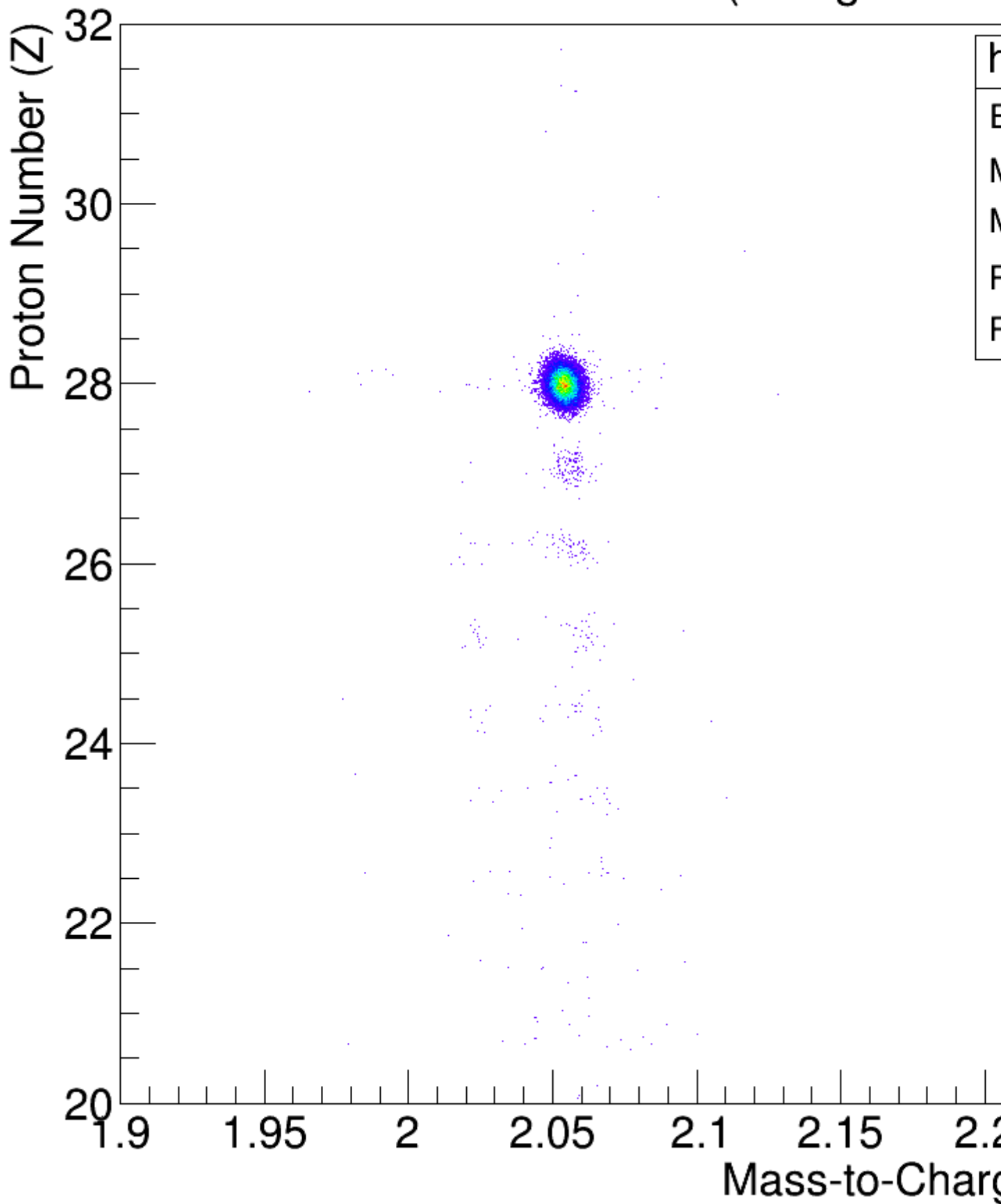
3) [58Ni-Cal2-Kr.png](#), downloaded 1346 times

### $^{58}\text{Ni}$ Calibration Point 2 (Using Kr Ca



4) [58Ni-Cal2-Ni.png](#), downloaded 1286 times

### $^{58}\text{Ni}$ Calibration Point 2 (Using Ni Cal)



5) [FRScalibration2.gnumeric](#), downloaded 466 times

---