Run 19 SC & GL calibrations so far

Updated on Wed, 2019-09-25 14:00. Originally created by **genevb** on 2019-09-25 13:59.

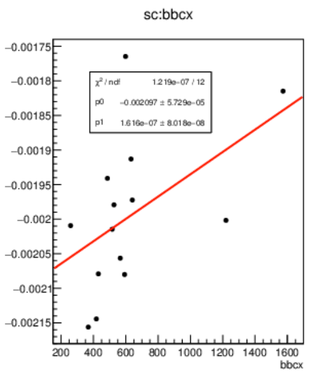
Fixed target: negligible (findings by Ben Kimelman)

Collision findings below by Matt Posik & Babu Pokhrel

AuAu 7.7 GeV collisions:

Completed (going into database). Very weak dependences; all values negative.

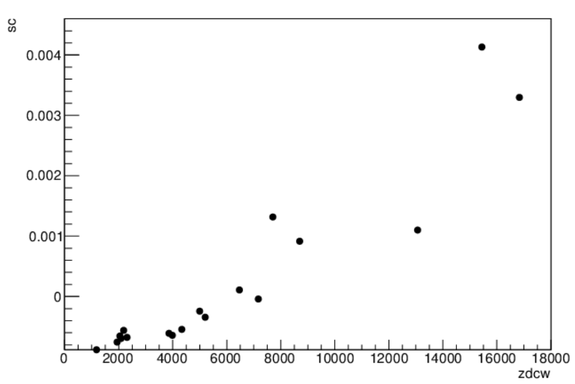
```
sc = (1.0 +/- 0.06206)*(-1.402e-07*(bbcx-(-1.569e+04 +/-   -868))+(3.782e-07*(vpdw)))
  with GL =  0.36 +/-  1.65
```



AuAu 19.6 GeV collisions:

Completed (going into database). Noticeable luminosity dependence; some negative values.

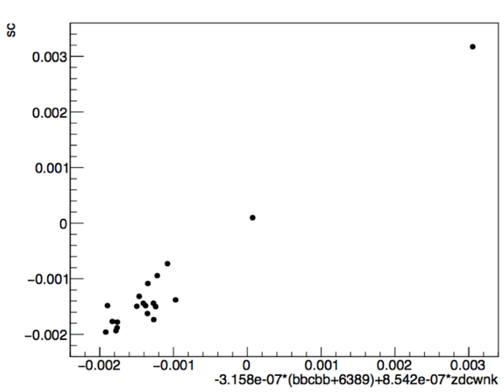
```
sc = (1.0 +/- 0.1388)*(-1.14e-09*(bbcw-(-1.124e+06 +/- -2.816e+05))+(1.091e-07*(vpdw)))
  with GL =  0.30 +/-  2.10
```



AuAu 14.5 GeV collisions: [in progress!]

First pass results. Noticeable luminosity dependence; some negative values.

```
sc = (1.0 +/- 0.2078)*(-3.158e-07*(bbcbb-( -6389 +/-  -1019))+(8.542e-07*(zdcwnk)))
 with GL =  0.37 +/-  1.14
```



=> Worrisome feature in all three datasets is that SpaceCharge goes negative, which is not physical!

-Gene