

Run 14146035 low lum trigger, high lum beam

hits in SLS 4,4,2

$$\frac{21873}{2204} = 25 \quad \text{sensor raw hits}/(\text{number of events} * \text{number of cm})$$

$$25 \frac{\text{rh}}{\text{cm}^2}$$

$$\frac{25}{2} = 12.5 \quad \frac{\text{hits}}{\text{cm}^2} \quad \text{divide by hits per cluster, from p. 12 offline QA plot}$$

expected 0.5 hits/cm² when using 20 too low L estimate

fold in the 20 gives estimate of 10 clusters/cm²

So good agreement now.