Physics 421 / PCSE 503 Lecture 6

Filting Data

M

$$All. = (0.3019 \pm .439) 78.$$

5lone 13 + (4.35 ± 1.607

Slope B b consisted with zero!

(-302+-439), 302-.434

1110/

 $y = (m - \delta m)$ outlier 99%, m + Jm り生かり 90% mx+b smollest -> m-Sm possin ayest -> b+86 possille p - 2 p

res plot Saborn = (m+on) m=0 y= (m- 500)x + (6+06)

= 2.0412 ± (.001 yint = 1.006 ± .281 Not consisted uita 2000 !! 95% -> 1 data pt. ~ 20 [raspot (-> Problem do not have access to blue bul (00) Curve_fit -> linear regression non-linear regression. any fuction! paramlist [0] > gint [1] -> m non-linear Etting -> choose startis FUIST: values for the CA parameters.

ハニアハコニハ

Popt -> array of fit leptimizes

paremeters

Popt [0] = yint

popt [1] = m