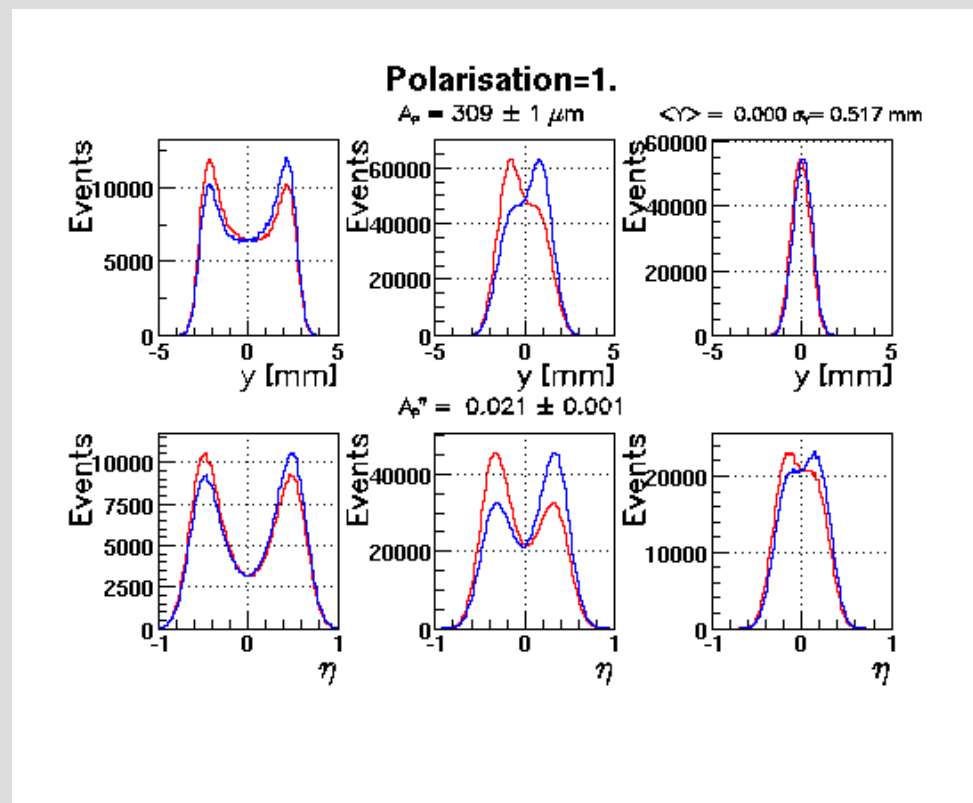


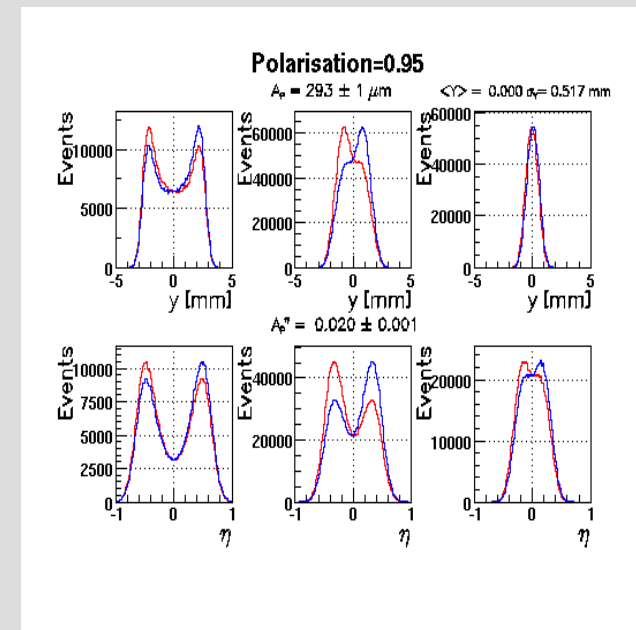
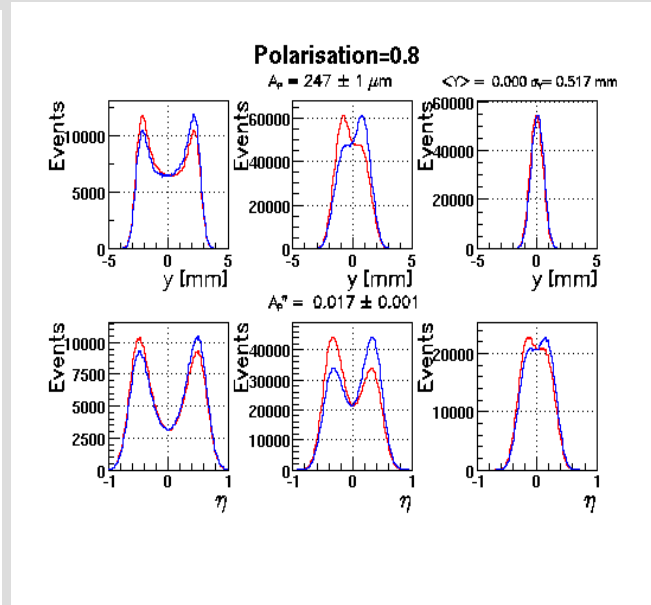
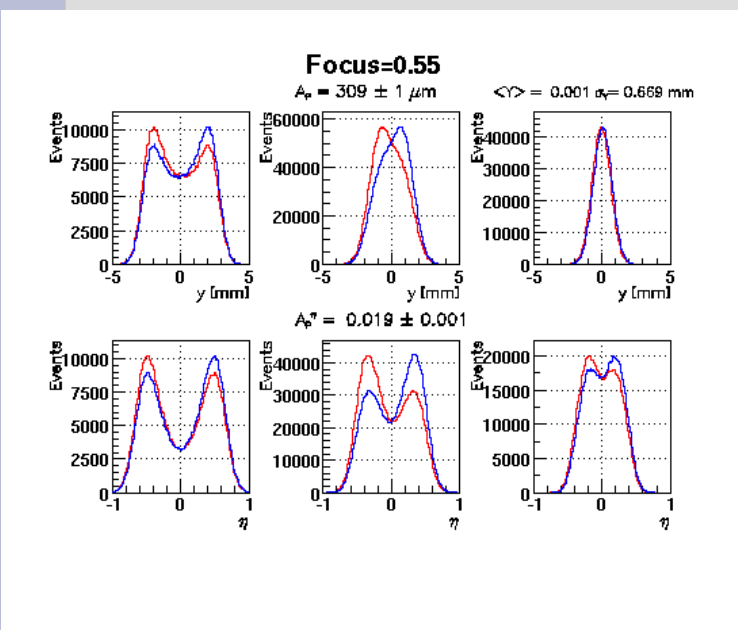
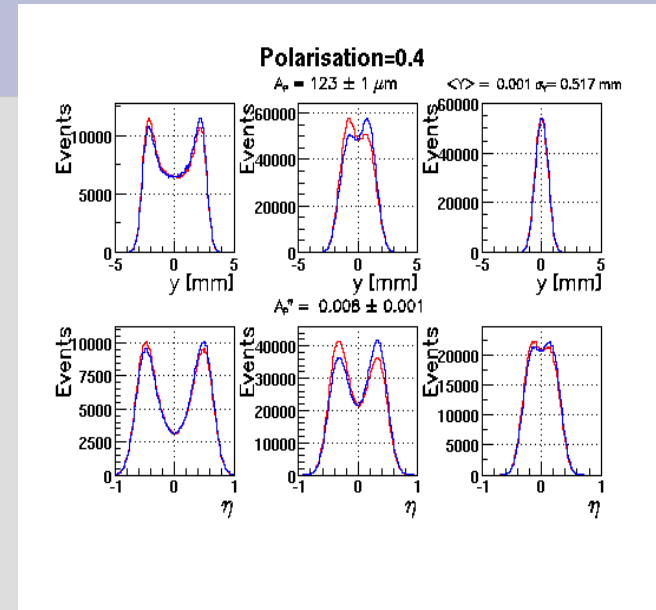
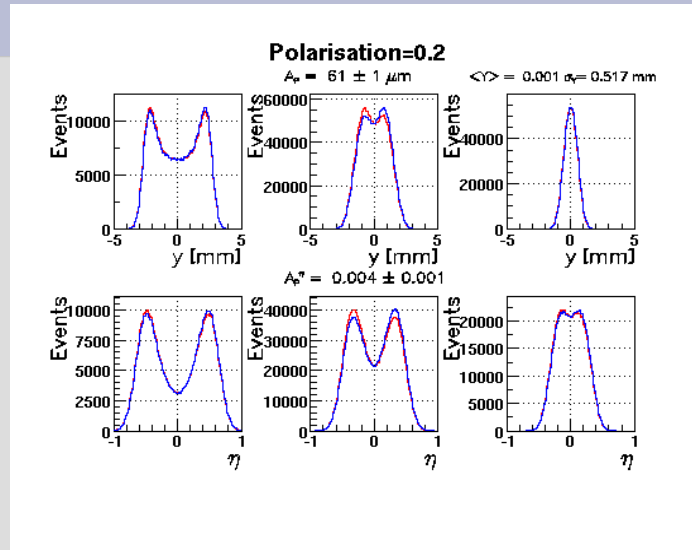
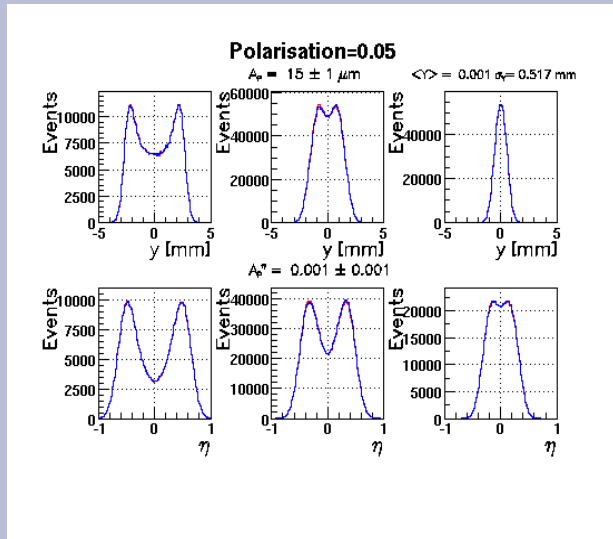
Tpol MC

-
-
-
- Analyzing Power in Terms of η and Y
-
- η - Y functional form – how many parameters?
-
-
-
-
-

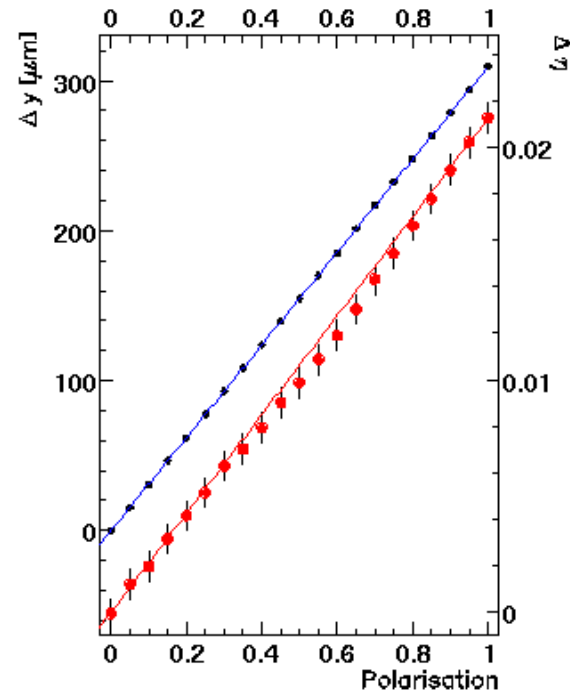
- 3 Energy Bins 1-11, 12-24, 25-29
- Light Helicity: left – red right - blue



Different Polarisation

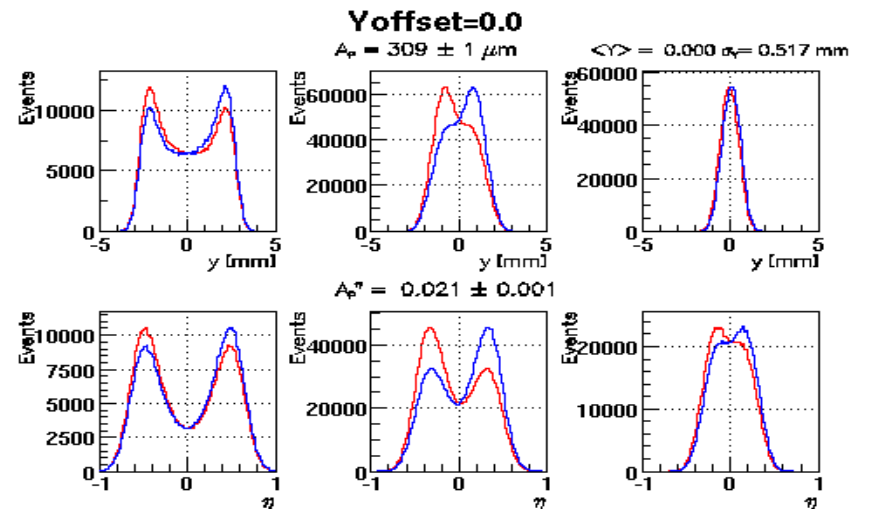
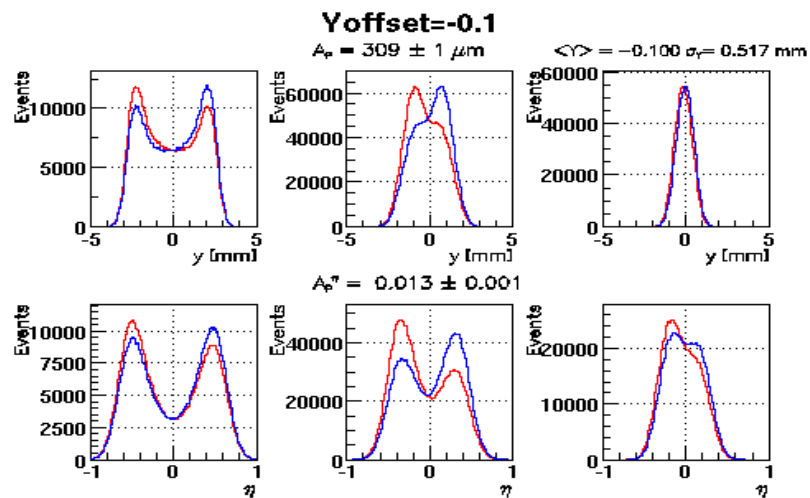
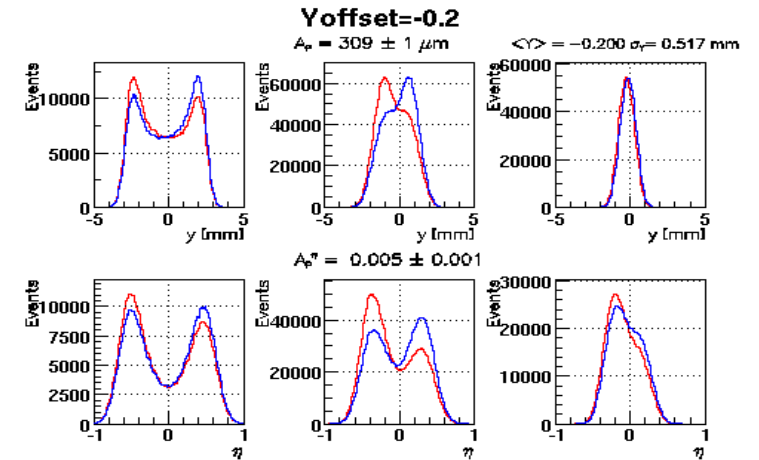
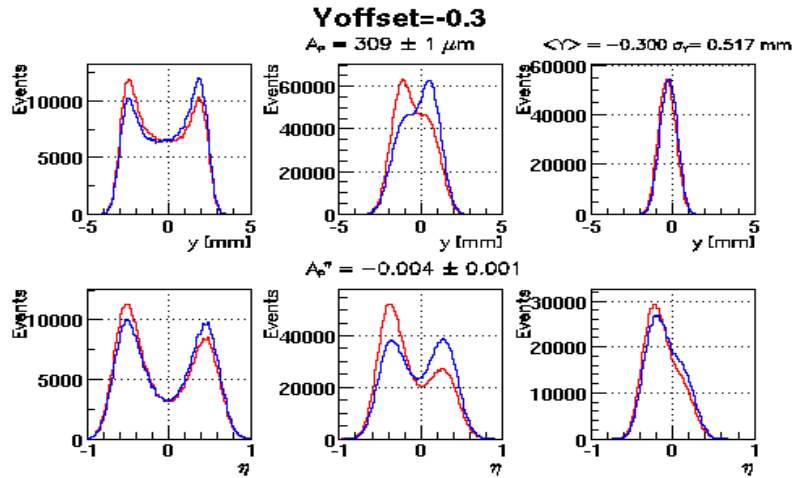


Polarisation Variation Summary

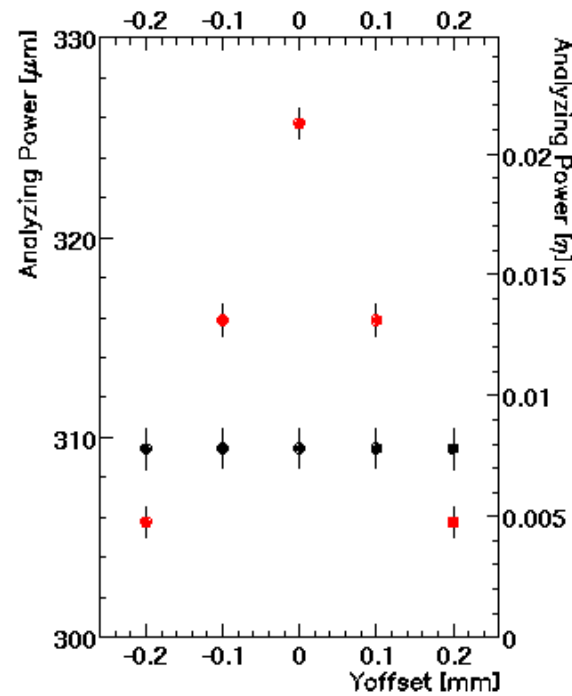


- delta Y vs P is linear, delta eta not perfectly -??? artifact ???
- steel within errors

Yoffset Variation



Yoffset Variation Summary

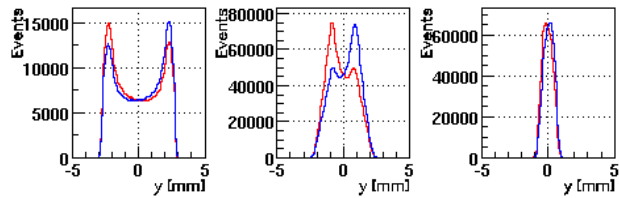


Focus Variations

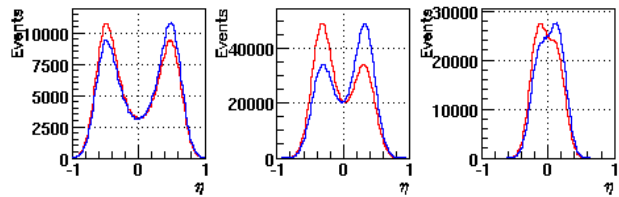
Focus=0.05

$$A_p = 309 \pm 0 \mu\text{m}$$

$$\langle Y \rangle = -0.000 \sigma_Y = 0.384 \text{ mm}$$



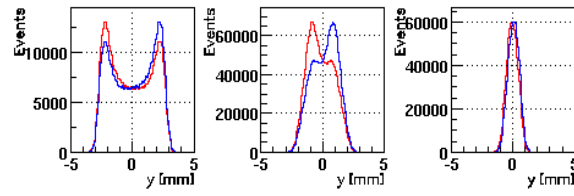
$$A_p^* = 0.023 \pm 0.001$$



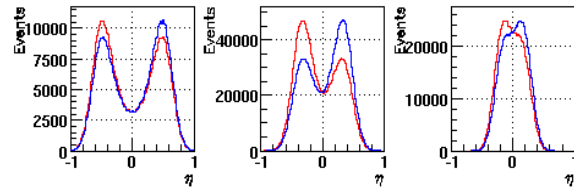
Focus=0.25

$$A_p = 309 \pm 0 \mu\text{m}$$

$$\langle Y \rangle = 0.000 \sigma_Y = 0.455 \text{ mm}$$



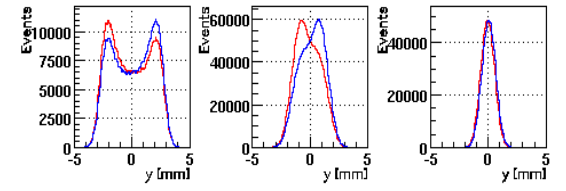
$$A_p^* = 0.022 \pm 0.001$$



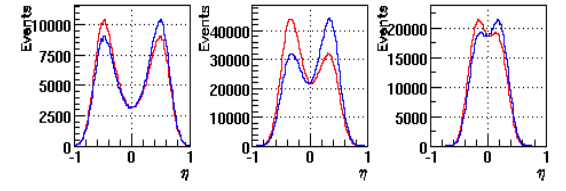
Focus=0.45

$$A_p = 309 \pm 1 \mu\text{m}$$

$$\langle Y \rangle = 0.000 \sigma_Y = 0.590 \text{ mm}$$



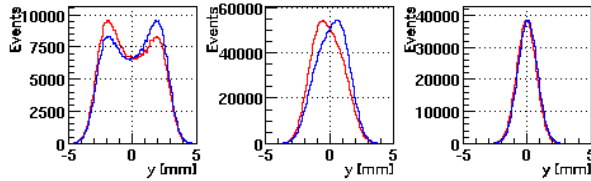
$$A_p^* = 0.020 \pm 0.001$$



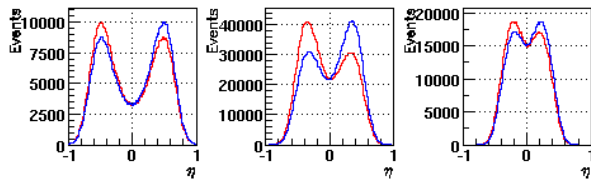
Focus=0.65

$$A_p = 309 \pm 1 \mu\text{m}$$

$$\langle Y \rangle = 0.001 \sigma_Y = 0.754 \text{ mm}$$



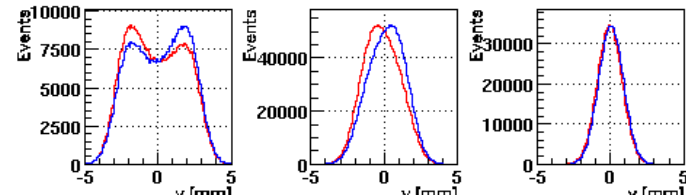
$$A_p^* = 0.019 \pm 0.001$$



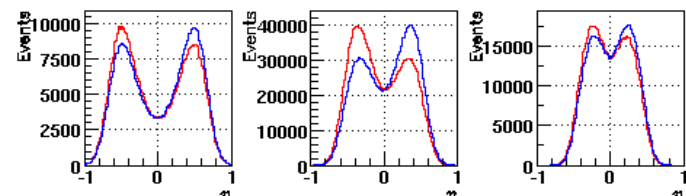
Focus=0.75

$$A_p = 309 \pm 1 \mu\text{m}$$

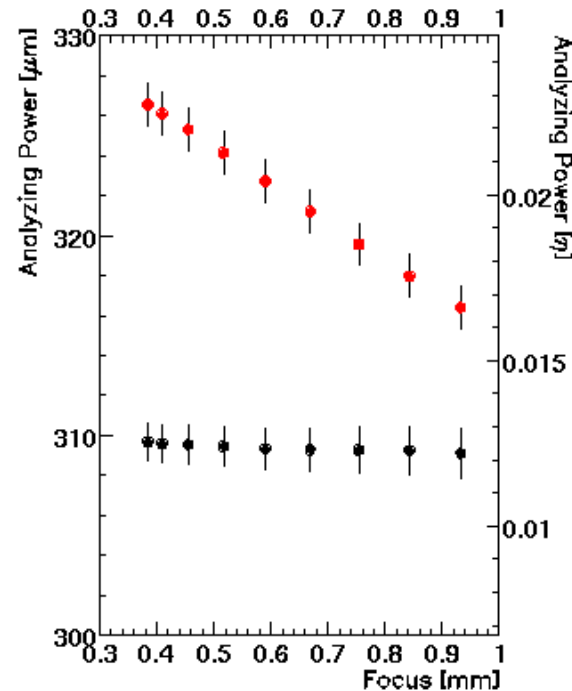
$$\langle Y \rangle = 0.001 \sigma_Y = 0.842 \text{ mm}$$



$$A_p^* = 0.018 \pm 0.001$$



Focus Variation Summary



- delta Y Analyzing Power does not depend on the Focus
-
-
-

eta-y functional form

-
- $$\Sigma = \frac{Y}{\sqrt{R^2 + Y^2}}$$

eta-y with 7 parameters

4xR related to Moller radii of the
shower core, low energy
W and Scintillator

$$\Sigma = \sum_{i=1}^4 \frac{Y * P_i}{\sqrt{R_i^2 + Y^2}}$$

$$P_4 = 1 - P_1 - P_2 - P_3$$