

Entries

8000

6000

4000

2000

0

-0.1

-0.05

0

0.05

0.1

$x_{\text{Track}} - x_{\text{Hit}}$  [mm]

RMS: 12.6  $\mu\text{m}$



The figure is a histogram plot showing the distribution of the difference between track and hit positions,  $x_{\text{Track}} - x_{\text{Hit}}$ , in millimeters. The x-axis ranges from -0.1 to 0.1 mm, with major ticks every 0.05 mm and minor ticks every 0.01 mm. The y-axis represents the number of entries, ranging from 0 to 8000, with major ticks every 2000 and minor ticks every 400. The distribution is a narrow, symmetric peak centered at 0 mm, with a maximum entry count of approximately 9000. The text 'RMS: 12.6  $\mu\text{m}$ ' is located in the upper right quadrant of the plot area.

$x_{\text{Track}} - x_{\text{Hit}}$ [mm]	Entries
-0.10	0
-0.05	0
-0.02	~500
-0.01	~3000
0.00	~9000
0.01	~3000
0.02	~500
0.05	0
0.10	0