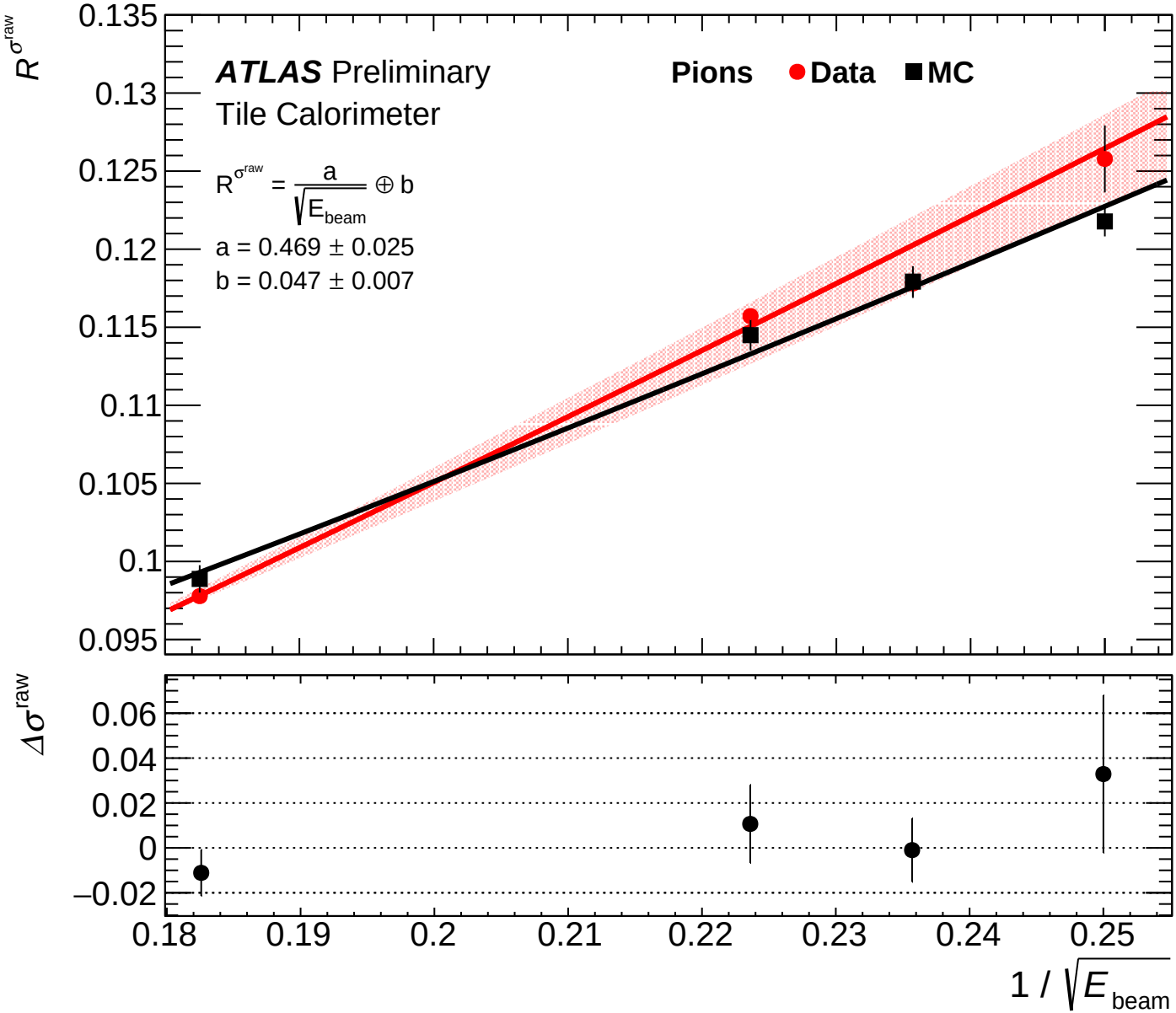
ATLAS Preliminary
Tile Calorimeter
Pions
Data
MC
$R^{\sigma^{raw}} = \frac{a}{\sqrt{E_{beam}}} \oplus b$
a = 0.469 ± 0.025
b = 0.047 ± 0.007
$R^{\sigma^{raw}}$
$\Delta\sigma^{raw}$
$1 / \sqrt{E_{beam}}$
0.135
0.13
0.125
0.12
0.115
0.11
0.105
0.1
0.095
0.06
0.04
0.02
0
−0.02
0.18
0.19
0.2
0.21
0.22
0.23
0.24
0.25