\textbf{ATLAS Simulation}

ITk Inclined Duals

100 GeV single muons

- 10 \textmu m global Txy barrel, iteration 1
- 10 \textmu m global Txy barrel, iteration 0
- nominal

The graph shows the resolution $z_0$ vs true track $\eta$. The x-axis represents the true track $\eta$, while the y-axis represents $z_0$ resolution in \textmu m. The plot includes three curves representing different conditions: one for 10 \textmu m global Txy barrel, iteration 1, another for the same barrel but iteration 0, and a third for the nominal condition. The distribution of points and their alignment with the conditions illustrate the impact of misalignment on resolution.