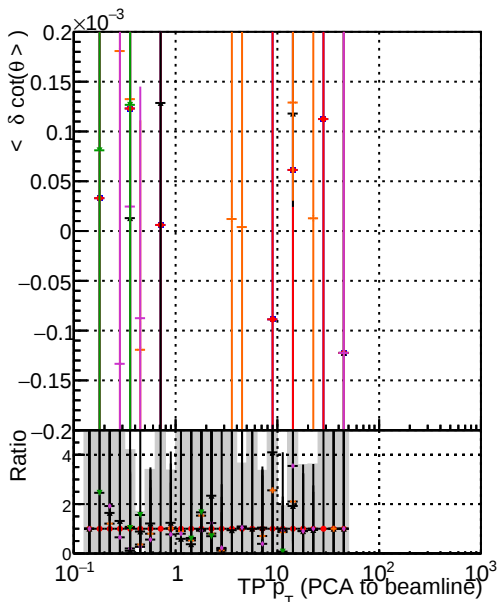
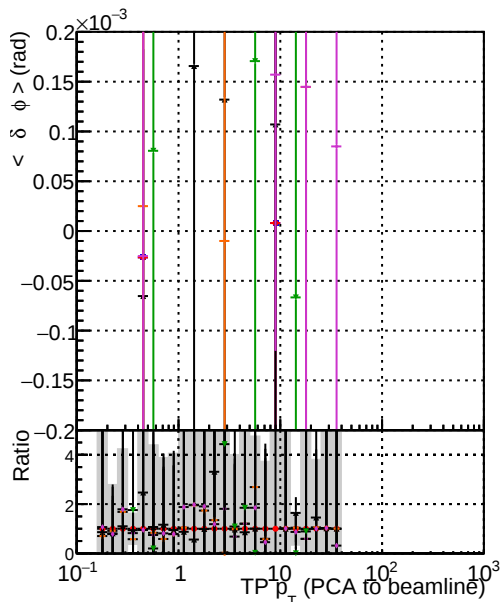




Legend for the plots:

- Blue line: BGM original original vector 1000evt
- Red line: BGM fitted 1000evt
- Green line: BGM fitted 500evt
- Orange line: BGM fitted 300evt
- Magenta line: BGM fitted 100evt
- Black line: BGM fitted 50evt
- Grey line: BGM fitted 20evt
- Dark grey line: BGM fitted 10evt
- Light grey line: BGM fitted 5evt
- Very light grey line: BGM fitted 2evt
- White line: BGM fitted 1evt
- Black line: BGM fitted 0.5evt
- Grey line: BGM fitted 0.2evt
- Light grey line: BGM fitted 0.1evt
- Very light grey line: BGM fitted 0.05evt
- White line: BGM fitted 0.02evt
- Black line: BGM fitted 0.01evt
- Grey line: BGM fitted 0.005evt
- Light grey line: BGM fitted 0.002evt
- Very light grey line: BGM fitted 0.001evt
- White line: BGM fitted 0.0005evt
- Black line: BGM fitted 0.0002evt
- Grey line: BGM fitted 0.0001evt
- Light grey line: BGM fitted 0.00005evt
- Very light grey line: BGM fitted 0.00002evt
- White line: BGM fitted 0.00001evt

