# FCC Napoli – TB analysis

WEEKLY REPORT - 16 OCT. 2024

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#### Fixed errors wtr last meeting:



□ Alternative: estimation of geometrical bias studying the asymmetry of "U plots"



#### Template from MC simulation





$$f(x) = \frac{[0]}{\sin([1] * x - [2])} + [3]$$

- ✓ Fit with a Landau for muons BGO
- ✓ Symmetric template function
- ✓ Data and MC normalized by maximum of deposit (0°)

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#### Estimate the angle inverting function obtained from fit on the MC



# Conclusion

□ Work in progress:

Analyze other configurations

> Parametrize the bias in the loglikelihood scan

> Analyze different Fit strategies and Cherenkov yields