

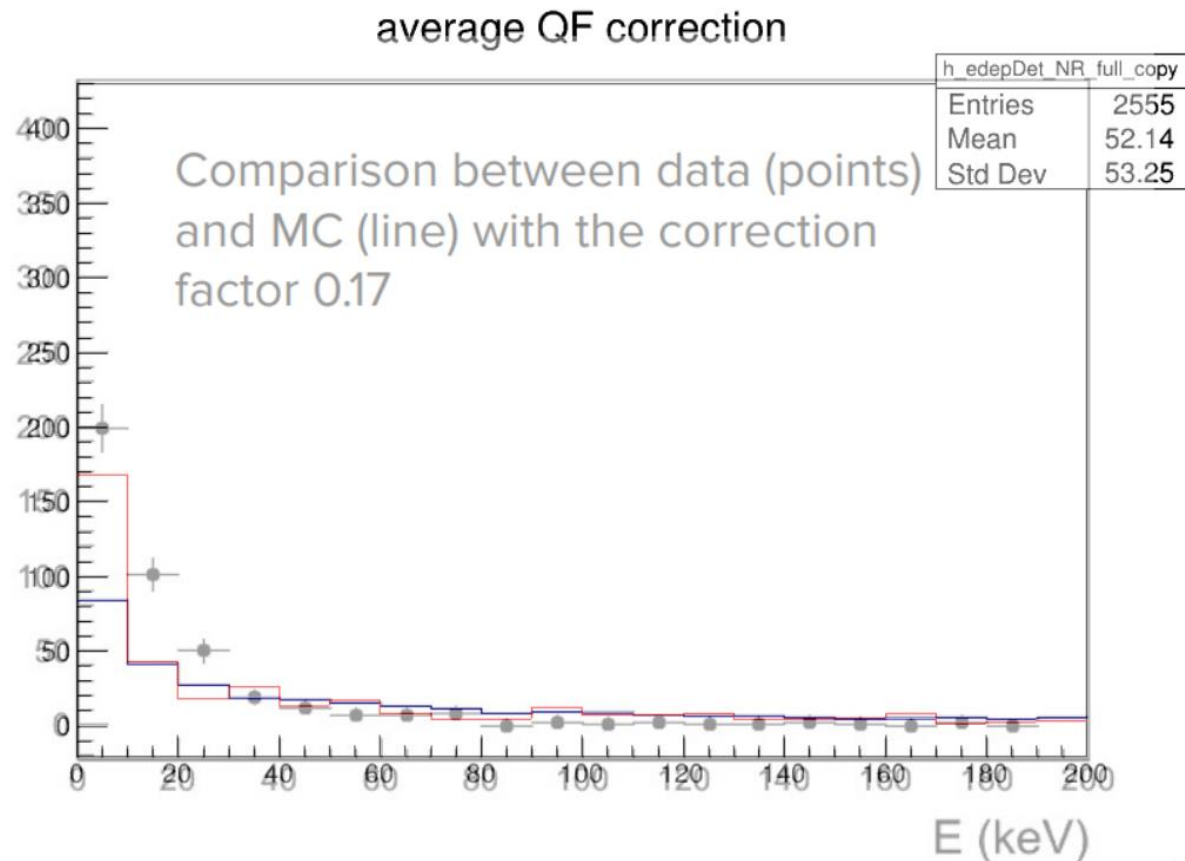
Simulations of AmBe source in LIME

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Comparison with LEMON data

- Simulated AmBe spectrum in LIME scaled by 0.17 (ratio between LEMON and LIME volumes)
- LEMON and LIME spectra are inconsistent (at low energy)
- I applied the QF to the simulated spectrum – better agreement below 10 keV, but still some correction to be applied (saturation effects?)
- QF is the weighted average of He, C and F



Comparison with LEMON data

- The energy spectrum obtained from analysis of LEMON data with the reconstruction code is shown with black points
- **Cuts:** slimness > 0.4, length < 2cm, width < 6.54mm, density >= 11
- **Calibration:** 0.12 ph/eV
- Wrong calibration? Wrong cuts?

