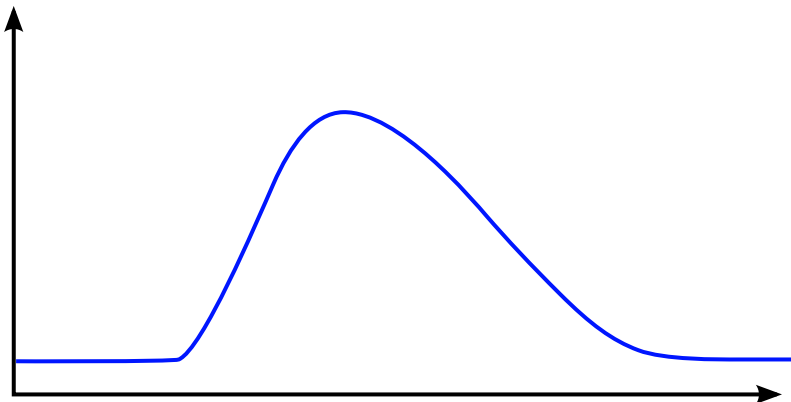


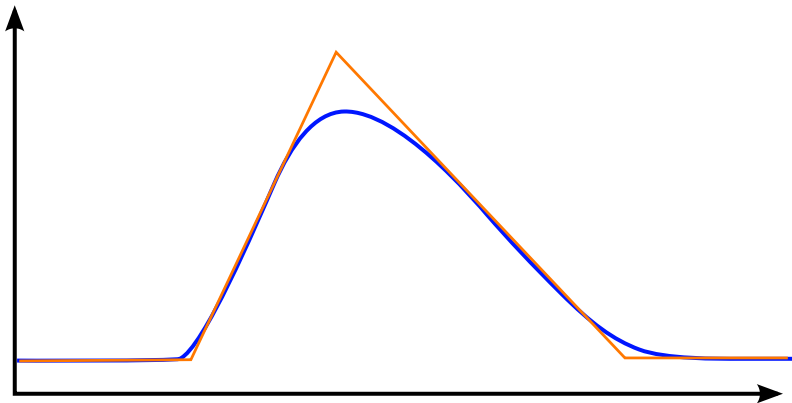
FE Models with TF1

Mai 2011 | Simone Esch - s.esch@fz-juelich.de

Signal Shape at Amplifier Output



Signal Shape at Amplifier Output



→ Want to create a better matching model

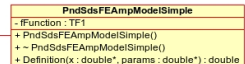
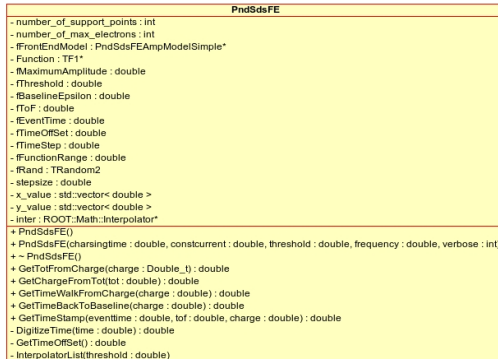
ROOT::TF1

- Using ROOT::TF1 Class
- A TF1 object is a 1-Dim function defined between a lower and upper limit
- The function may have parameters
- Easy to define/change functions
- Predefined functions available

Implementing in PandaROOT

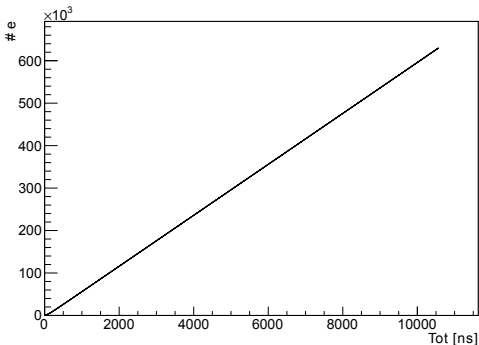
First: Implemented triangular model to check functionality

Directory: pandaroot/trunk/sds/SdsFEModel

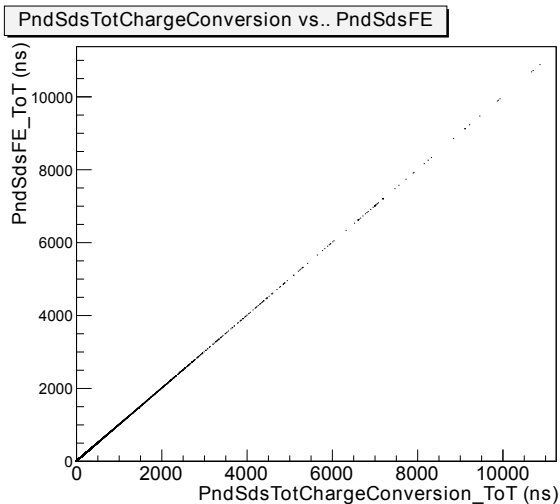


Interpolator-List

Using interpolator to calculate ToT \rightarrow charge.
 (ROOT::Math::Interpolator)



Comparisment to PndSdsTotChargeConversion



Dankeschön

Thank you