

New Pulse Extractor

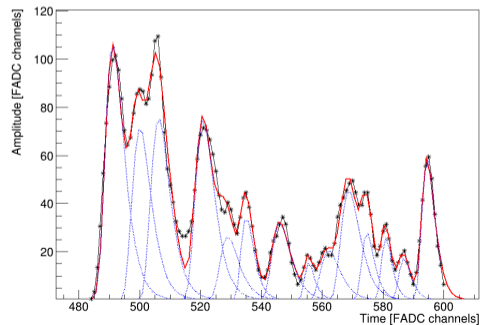
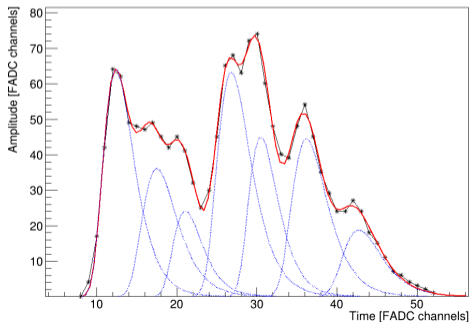
Lukáš Fajt

Data Analysis Briefing
When 25. 06. 2020

New BExtractorDP

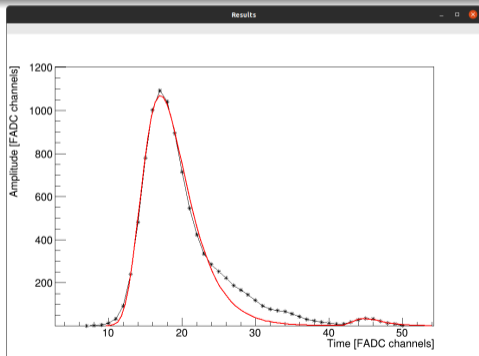
Status

- First draft done, the derived class from BExtractor, BExtractorDP
- AnalyzeFADCSample() completely rewritten
- Extended charge integration region
- Single pulse fitting with Gumbel function → new parameters GumpA, GumpT, GumpQ, GumpBeta, chi2, NDF
- Double pulses separation with Gumbel fit



Problems

- Wrong fits
- Saturated pulses
- Old parameters from separated pulses



Plans

- Compare extracted pulses without separation
- Solve fitting of the saturated pulses
- Improve processing time (7x slower, 1.26x larger)

