



- ❖ Physicists are NOT code developers
- ❖ Too many languages & packages to study - life is short
- ❖ Existence of "Black Boxes" (if they are perfect) simplify our life and provide more time for physics analysis itself
- ❖ Brilliant example of Physics Analysis Package: KAL in AGRUS
 - ❖ writing of typical physics selection : one page A4 & less than one hour
- ❖ My experience in C++ : 0 level one year ago
- ❖ C++ & DaVinci (including Associators) : at least 3 month before first results in analysis (not so bad) Thank you, Gloria!
- ❖ LoKi from this February: ONE day to study documentation + few HOURS to re-write algorithm + one week to VERY careful comparison of LoKi parameters & functions with corresponding ones from DaVinci.
- ❖ One month for " B -> $\phi \gamma$ " analysis (from the very beginning in parallel with other activities)



- ❖ Few hours to write NEW algorithm from the very beginning
- ❖ Minimum knowledge of C++ is needed
- ❖ Really short ONE *.cpp file. No *.h file !!!
- ❖ Ntuple parameters are defined and filled in ONE (the same) place
 - ❖ Minimum time to correct misprints and errors
- ❖ Practically ALL necessary physics parameters and functions are predefined
 - ❖ Possibility of mistake if you create such functions yourself is excluded
- ❖ MC is simple: “one line” and fast
 - ❖ in some cases factor of ~ 20 vs DaVinci Associators
- ❖ If you LIKE: you can include ANY part of DaVinci codes and functions in your LoKi algorithm



Thank you, Vanya !

Physics friends,

Don't worry

Try LoKi

Be happy !