

# PyCool progress last 2 weeks (since Jan 29<sup>th</sup>)

- New and fixed by ROOT team:
  - High: recursive segfaults in signal handler ([ROOT-6025](#))
- Old and fixed (or worked around) in PyCool
  - Blocker: `_global_cpp` has no 'cool' ([ROOT-5965](#)) – *declare namespace manually*
  - High: template overload resolution if no c++ exceptions in Python ([ROOT-5603](#))
    - *Workaround by Wim'([bug #103304](#)): `setValue(type)(value)` instead of `setValue(value)`*
    - *Also filter out new “creating converter” warnings appearing after the above patch*
    - *Three new issues still pending, see next page*
  - Medium: build warnings about `NonTypeTemplateParmDecl` ([ROOT-5962](#)) and about variadic template autoloader ([ROOT-5964](#)) – *using an empty `selection.xml`*
  - Medium: disable deprecation warning ([ROOT-5870](#)) – *real COOL fix pending*
  - Low: relocatability of `PyCool_helpers.h` ([bug #103539](#)) – *include it verbatim*
- Old and fixed by ROOT team:
  - Medium: undefined `std::transform` ([ROOT-5869](#)) – fixed by patch for [ROOT-5838](#))

# Summary of ROOT6 pending issues in PyCool

- High: c++ exception propagation to Python ([ROOT-5603](#))
  - Medium: cannot pass int (0-255) as unsigned char in PyRoot ([ROOT-6066](#))
  - Medium: <Long\_t buffer, size 1> instead of unsigned char or bool ([ROOT-6067](#))
  - Low: templated constructor overload resolution in PyROOT ([ROOT-6068](#))
- Low: wrong return code from failed ProcessLine ([ROOT-5698](#))
- Low: Tok assertions if LLVMDEV is enabled ([ROOT-5697](#))
- Low: CMT macros for rootcint to avoid Reflex dependency ([bug #102997](#))