

# Root In The Year 20xx

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# General Qualities

- Keep (and improve ? 😊 ) the current qualities of ROOT and its team.
- Happy Users and Developers 😊
- Top notch support (fast and accurate 😊)
- Easy to install and start using
- Efficient, convenient, easy to use



# Features

- Seamless integration CINT/Compiler
  - CINT detect when it is beneficial to compile
  - Auto-compilation of templated code
  - Exact same behavior in compiled and interpreted code (including I/O for interpreted classes)
  - Dictionaries generated at run-time?
- Default to using multiple thread
  - Non-blocking I/O
  - Event loop in its own thread
  - Parallelism calculation (minimization, etc.)
  - TTree::Process, TTree::Draw defaulting to parallel processing (via Proof)
  - etc.
- Have a way for the user to discover features
  - Some 'way' to 'propose' tool that already exist in ROOT and that are related to what the user is currently doing.
  - This would reduce the "I used some other (presumably not as good 😊) because I did not know ROOT could do *that*!"
  - (And of course, have an easy, fast way to access the documentation)

