Core Show and Tell

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Slides (usually) available from

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- A system to allow observables and likelihoods to be defined in a modular way
- A system that allows those functions to be hooked up easily in arbitrary ways
- A system to allow arbitrary external codes to be hooked up, and their functions, etc¹ used seamlessly from within obervable/likelihood codes
- A system for reading and interpreting some text-based scan initialisation file
- A framework for defining arbitrary models and their relationships to observables, external codes and other models
- A system for passing the values of model parameters, observables and likelihoods back and forth between the scanner and observable/likelihood calculators



¹ yes, even classes

- A system to allow observables and likelihoods to be defined in a modular way – "rollcall"
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- A system that allows those functions to be hooked up easily in arbitrary ways – "rollcall" + "dependency resolver"
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- A system for passing the values of model parameters, observables and likelihoods back and forth between the scanner and observable/likelihood calculators – "Likelihood container object" + friends



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- A simple central system for logging
- A central documentation system
- A compilation and configuration system





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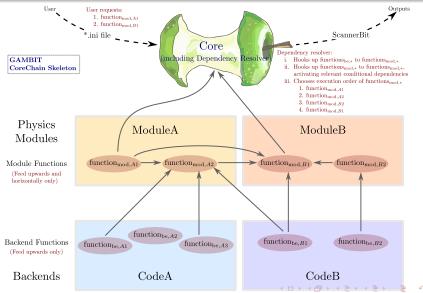


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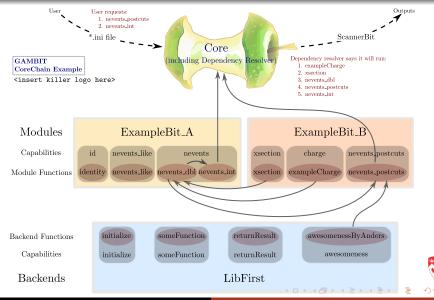




Rollcall + backends + dependency resolution Skeleton example, take 2



Rollcall + backends + dependency resolution Better example, take 2



Basic files to look at

- modules/Core/include/module_rollcall.hpp
- modules/Core/include/backend_rollcall.hpp
- modules/ExampleBit_A/include/ExampleBit_A.hpp
- modules/ExampleBit_A/src/ExampleBit_B.hpp
- modules/ExampleBit_B/include/ExampleBit_A.hpp
- modules/ExampleBit_B/src/ExampleBit_B.hpp
- modules/Backends/include/backend_libfirst.hpp
- modules/Backends/lib/libfirst.cpp



