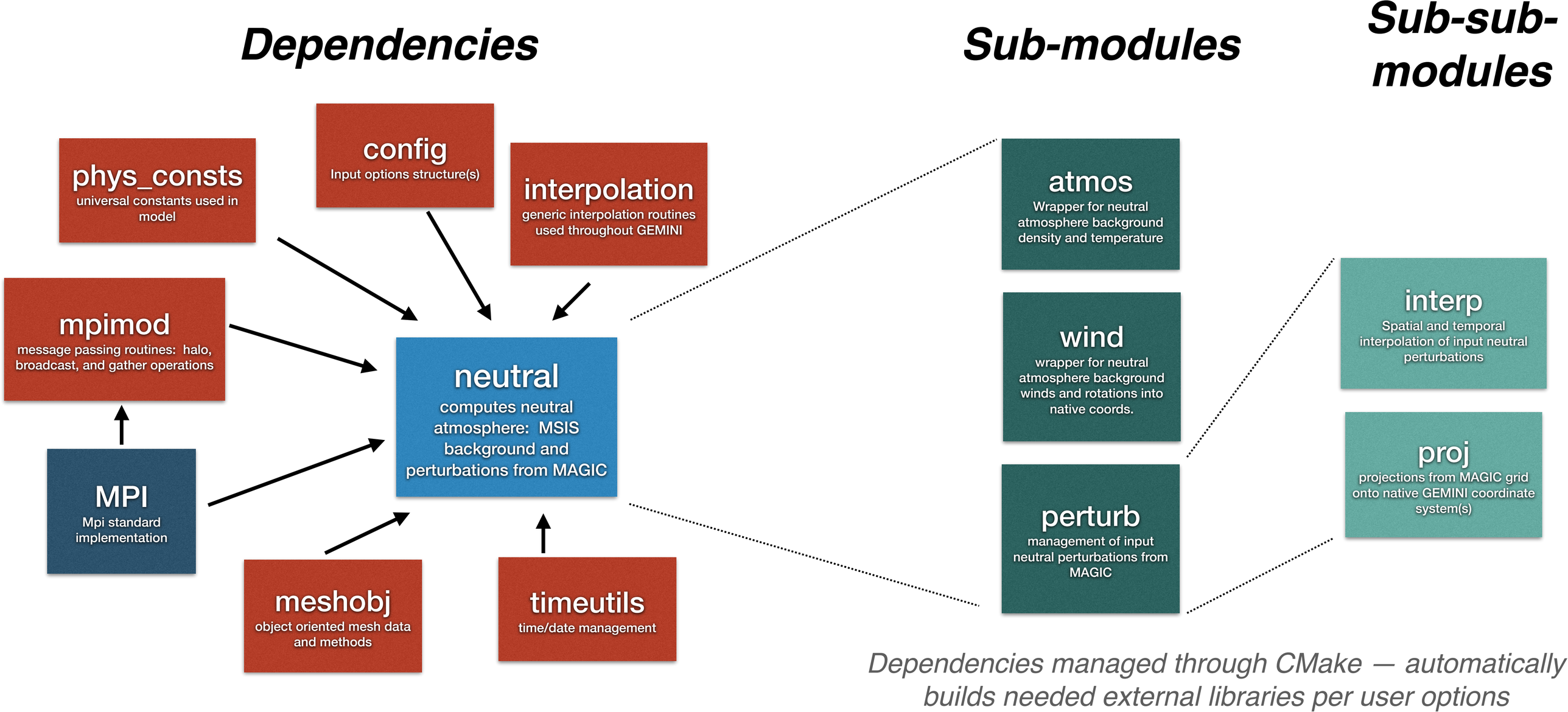
Dependencies
Sub-modules
Sub-sub-modules
phys_consts
universal constants used in model
config
Input options structure(s)
interpolation
generic interpolation routines used throughout GEMINI
mpimod
message passing routines: halo, broadcast, and gather operations
neutral
computes neutral atmosphere: MSIS background and perturbations from MAGIC
MPI
Mpi standard implementation
meshobj
object oriented mesh data and methods
timeutils
time/date management
atmos
Wrapper for neutral atmosphere background density and temperature
wind
wrapper for neutral atmosphere background winds and rotations into native coords.
perturb
management of input neutral perturbations from MAGIC
interp
Spatial and temporal interpolation of input neutral perturbations
proj
projections from MAGIC grid onto native GEMINI coordinate system(s)
Dependencies managed through CMake — automatically builds needed external libraries per user options