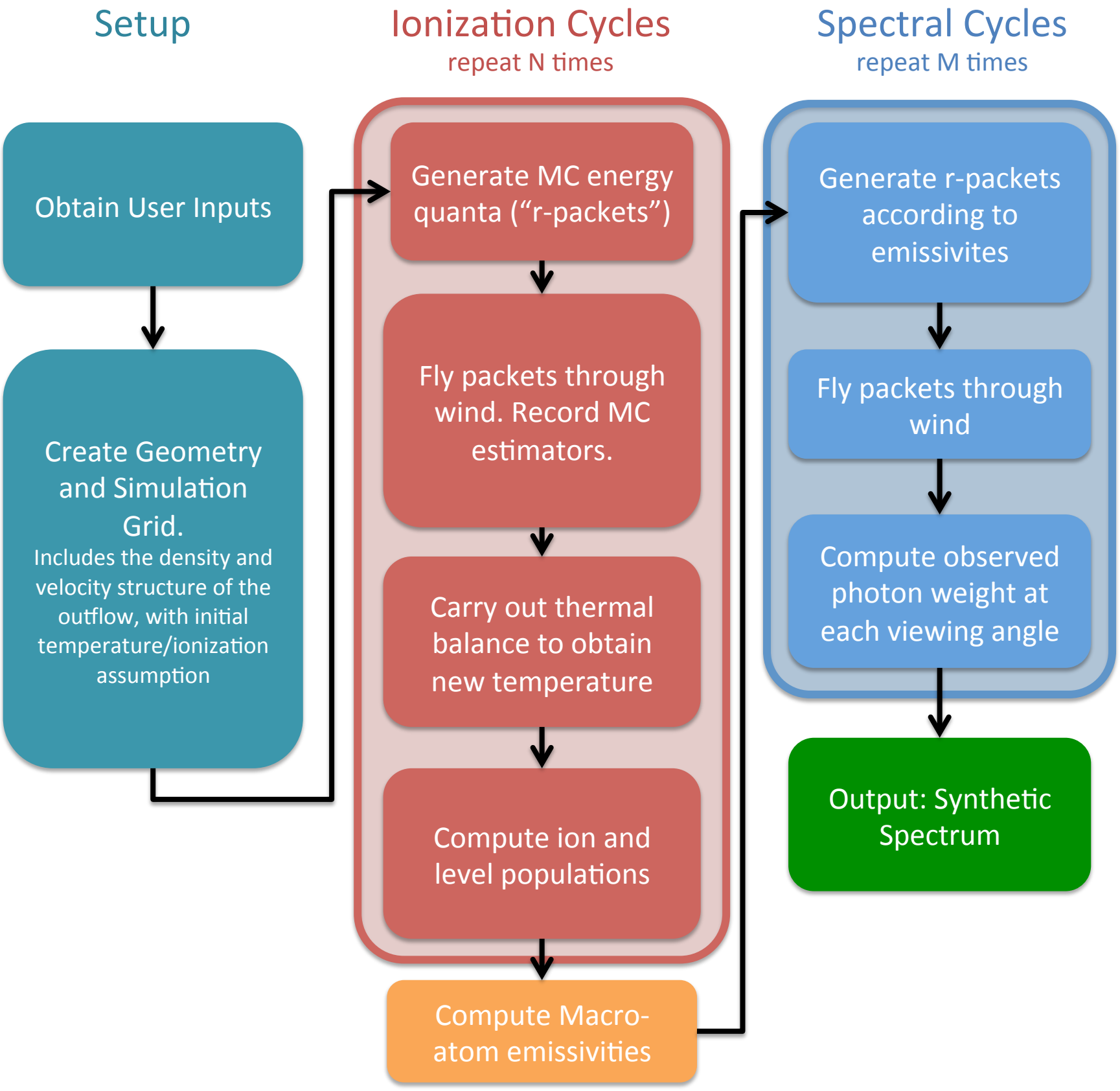
Setup
Ionization Cycles
repeat N times
Spectral Cycles
repeat M times
Obtain User Inputs
Create Geometry and Simulation Grid.
Includes the density and velocity structure of the outflow, with initial temperature/ionization assumption
Generate MC energy quanta ("r-packets")
Fly packets through wind. Record MC estimators.
Carry out thermal balance to obtain new temperature
Compute ion and level populations
Compute Macro-atom emissivities
Generate r-packets according to emissivites
Fly packets through wind
Compute observed photon weight at each viewing angle
Output: Synthetic Spectrum