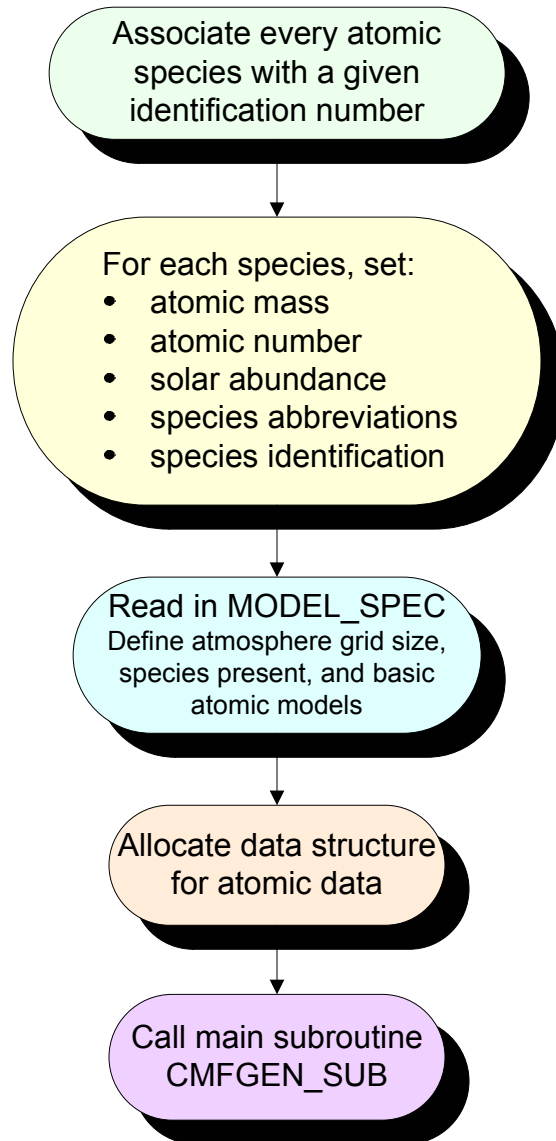
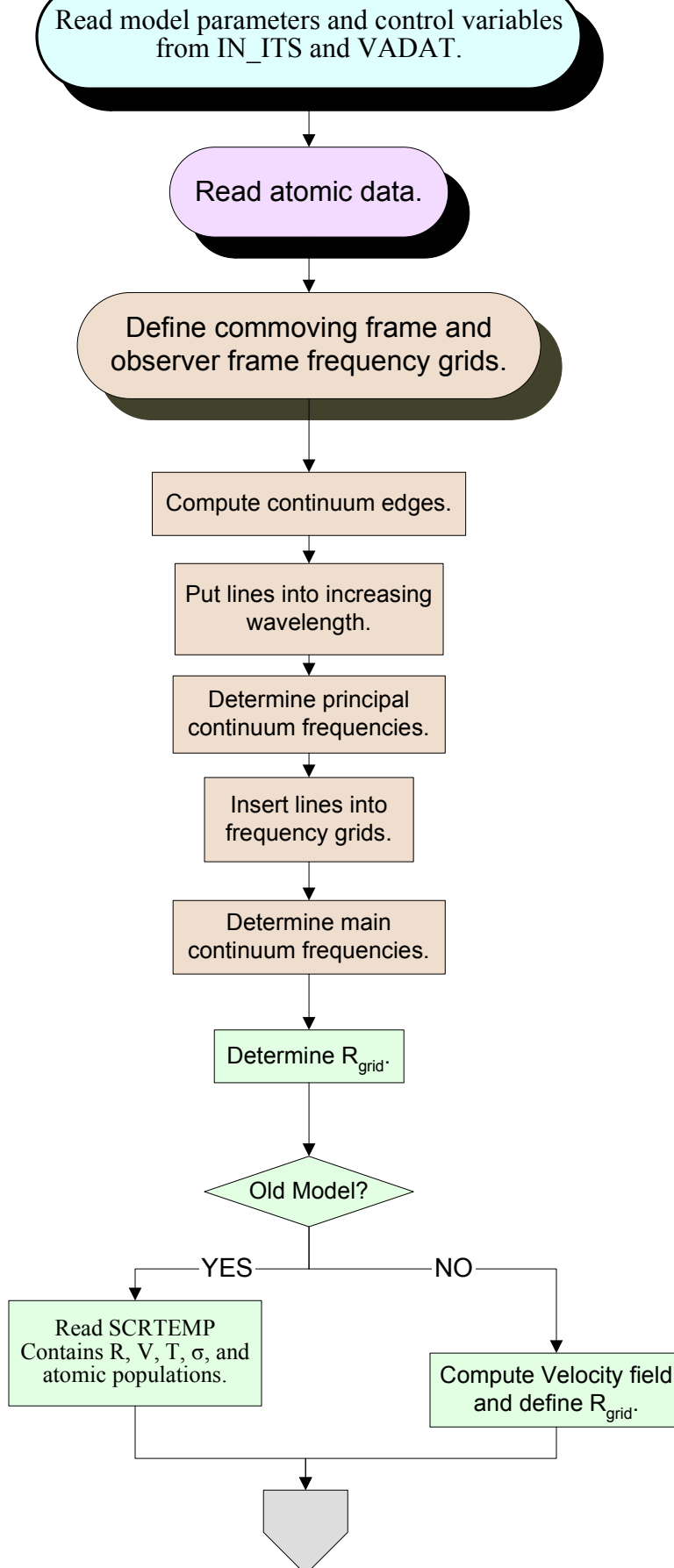
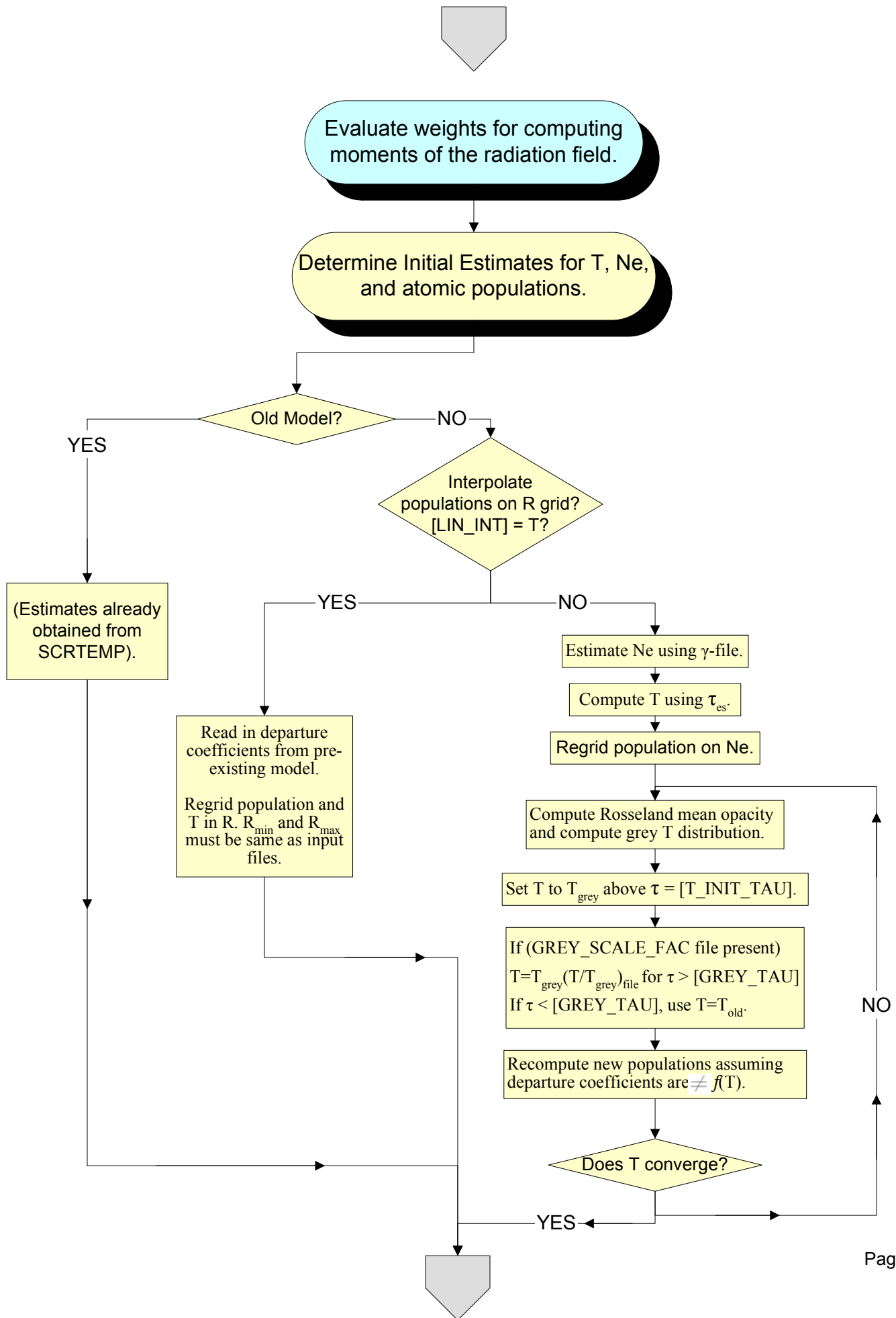


CMFGEN



CMFGEN_SUB





Main Iteration Loop Begins
Iterate until fractional correction < [EPS]

Compute inner boundary condition dT/dR for diffusion approximation.
---Involves computing χ_R at inner boundary.

[DO_LAM_IT] = T or
[FLUX_CAL_ONLY] = T?

YES

NO

Evaluate continuum opacities at inner boundary.
Evaluate variation at inner boundary.
Add in line contributions to opacity.
Update flux estimate.

Loop over
all frequencies

$dT/dR = \Delta T/\Delta R$

Compute dT/dR and its variation.

Update statistical equilibrium equations for all collisional terms and set abundance constraints.
If compute linearized rate equations, update BA (linearization matrix).

Update statistical equilibrium equations for states which can partially autoionize.
If compute linearized rate equations, update BA.

If [DIE_AS_LINE] = T, handle Low Temperature Dielectronic Recombination (LTDR) lines separately and in non-blanketed mode.

Update SE equation and BA for LTDR contributions.

