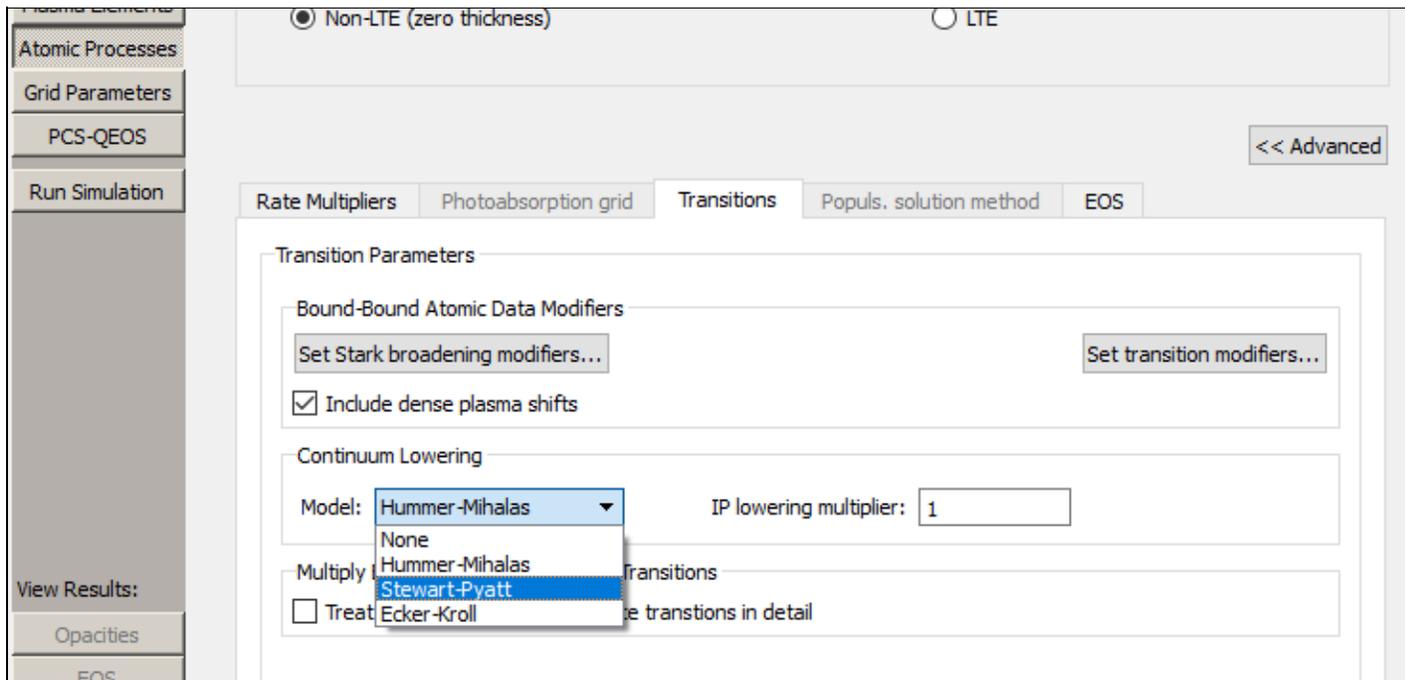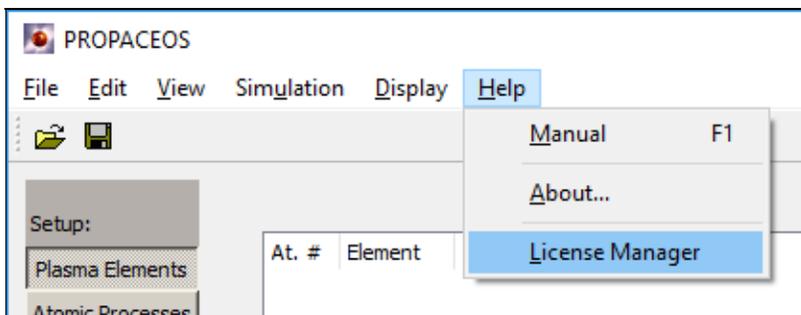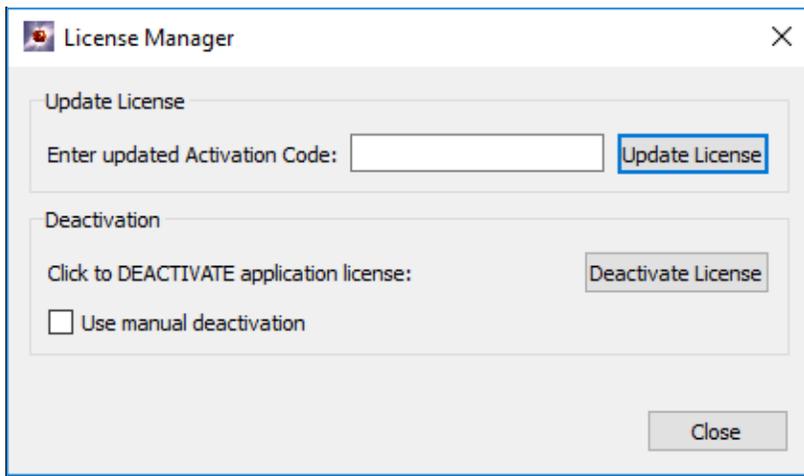# PROPACEOS version 7.2.0

- Transitions tab, under Atomic Processes, contains new options:
    - *Set Stark broadening modifiers:* The calculated Stark widths for selected transitions can be modified. For details see [Modifying the Stark Widths](#).
    - *Include dense plasma shift :* If checked, spectral lines will be shifted in dense plasmas (Stark shift). **This feature is in beta stage and is not available to all users.**
    - *Set osc. strength/wavelength modifiers:* See [Modifying Transition Energies and Strengths](#) for details on how to specify photon energies and oscillator strengths for selected transitions.
    - *Continuum Lowering:*
        - *Pressure ionization model.* Available options are: None, Hummer & Mihalas occupation probability (default), Stewart & Pyatt, Ecker & Kröll. **This feature is in beta stage and is not available to all users.**
        - *Energy scaling factor.* Scaling factor can be applied to *ΔI* computed by pressure ionization model. Default is 1.0. **This feature is in beta stage and is not available to all users.**



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Click to DEACTIVATE application license: Deactivate License

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- Limit of 5 elements in a mixture with QEOS model is relaxed, an arbitrary number of elements is now supported.
- ASCII format change: 5 significant figures are now used for energy of photon group in .prp file.

- Bug fixes:
  - Various issues with tables have been fixed, including unexpected clearing of bad user-entered data when sorting and saving.
  - Attempts to read bad file-types for Atomic Model files no longer lead to a crash.
  - Fixed crash when an invalid file is added to "Set Stark broadening modifiers..."
  - Fixed crash when blank or invalid activation code is entered into Update License box.
  - Selecting File->Close in opacities tab now closes the window.
  - PROPACEOS no longer crashes when running a simulation with QEOS model immediately after running calculations without QEOS.