

Spectroscopic Model

Best Fit - Synthetic and Experimental Spectra

- Improving atomic structure calculations for high Z neutrals: energy levels and wavefunctions – cross sections and rates
- Reducing the number of calculated cross sections Ag II, Ag III, Ag IV. - multi-representational model.
- Multi-element collisional radiative model - common free e⁻ pool.
- Local plasma effects on the radiator - detailed line shapes
- Non-local effects on the spectra - radiation transport accurate RTE solution.
- Plasma gradients – self-reversal feature.