```
readcol, defaults, species, reac, file, delim=':', /silent, skip=1, format='A,A,A'
                                                                                                                                                                             pro charge_exchange_perturbation, startloc, PerturbVel, options
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        print, ratecoef.type
if (strlowcase(ratecoef.type) EQ 'ion-neutral') then begin
;; determine if correct product is formed
                                                                                                                 ;; Add a perturbation velocity based on charge exchange
                                                                                                                                                                                                                                                                                            ;; 1) find the appropriate charge exchange reactions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               endif else destroy_ratecoef, ratecoef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               q = where(species EQ options.atom, nq)
if (nq EQ 0) then stop
                                                                                                                                                                                                                                                                                                                          path = '$HOME/Data/AtomicData/Loss/
                                                                                                                                                                                                                                                                                                                                                      defaults = path+'DefaultsList.dat'
                                                                                                                                                                                                                                                                                                                                                                                                             species = strtrim(species, 2)
                                                                                                                                                                                                                                                                                                                                                                                                                                           reac = strtrim(reac, 2)
file = strtrim(file, 2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        restore, path+fsub[i]
                                                                                                                                                                                                                                       common constants
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for i=0, nq-1 do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rsub = reac[q]
fsub = file[q]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         stop
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         stop
```