+ its summary

EUV: (Also KCOR and LASCO)

$$\circledast\ N_e(r) = N_0 \exp\left[-\frac{h}{\lambda_N}\frac{R_\odot}{r}\right]$$

Changing:
$$\begin{cases} r \to r/R_\odot \\ h \to h/R_\odot = r-1 \\ \lambda_N \to \lambda_N/R_\odot \\ N_{e_0} \to N_e/1.e8\ cm^3 \end{cases}$$

$$\Rightarrow N_e(r) = N_0 \exp\left[-\frac{1}{\lambda}\left(1-\frac{1}{r}\right)\right]$$

$$\ln(N_e(r)) = \ln(N_0) - \frac{1}{\lambda_N} + \frac{1}{\lambda_N}\left(\frac{1}{r}\right)$$

$$Y_{fit} = A_0 + A_1 X_{fit}$$

After fit →
$$\begin{cases} \lambda_N = 1/A_1 \\ N_0 = \exp[A_0 + A_1] \end{cases}$$

$$\circledast\ T_e(r) = T_0 + a\,h$$

$T_e \to T_e/1.e6\ K$

$h \to h/R_\odot$

$$Y_{fit} = A_0 + A_1 X_{fit}$$

After fit →
$$\begin{cases} T_0 = A_0 \quad [MK] \\ a = A_1 \quad [MK/R_\odot] \end{cases}$$

VL : (Metis, C2)

$$N_e(r) = N_0 \left(\frac{r}{R_c}\right)^{-p}$$, R_c = INST_RMIN

$r \rightarrow r/R_0$

$R_c \rightarrow R_c/R_0$

$N_{e,0} \rightarrow N_{e,0}/1 e 8 cm^{-3}$

$$\boxed{\ln N_e(r) = \ln(N_0) + (-p)\ln\left(r/R_c\right)}$$

$$Y_{fit} = A_0 + A_1 X_{fit}$$

After fit :

$$\begin{cases} N_0 = \exp[A_0] \\ p = -A_1 \end{cases}$$