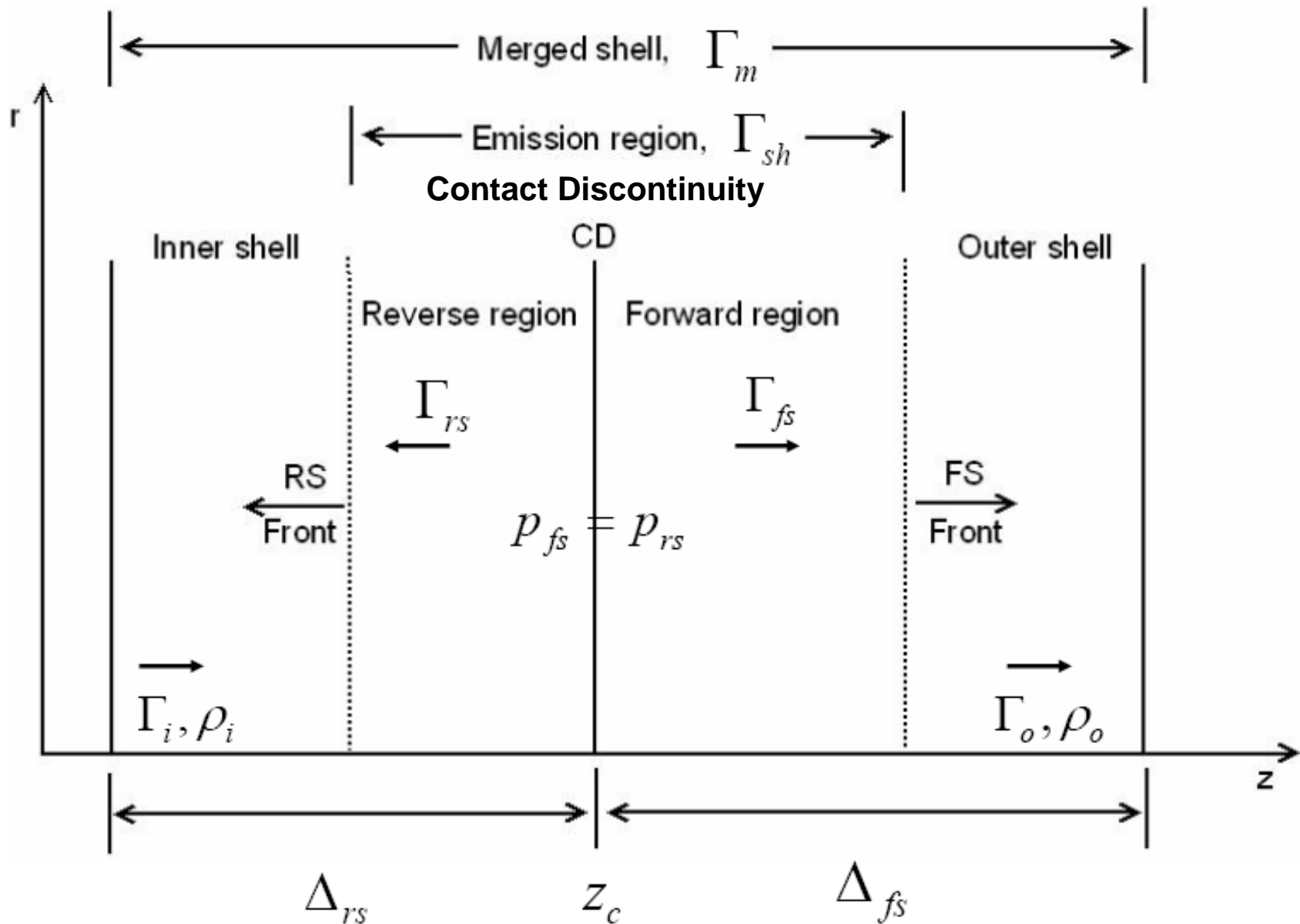
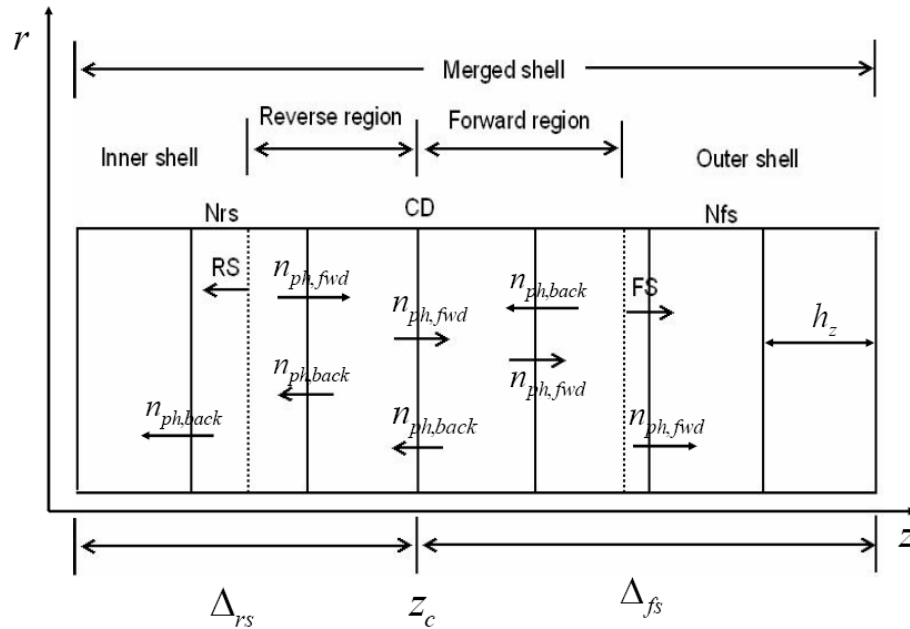

Multi-wavelength Spectral Analysis Of The Blazar 3C 279

Manasvita Joshi

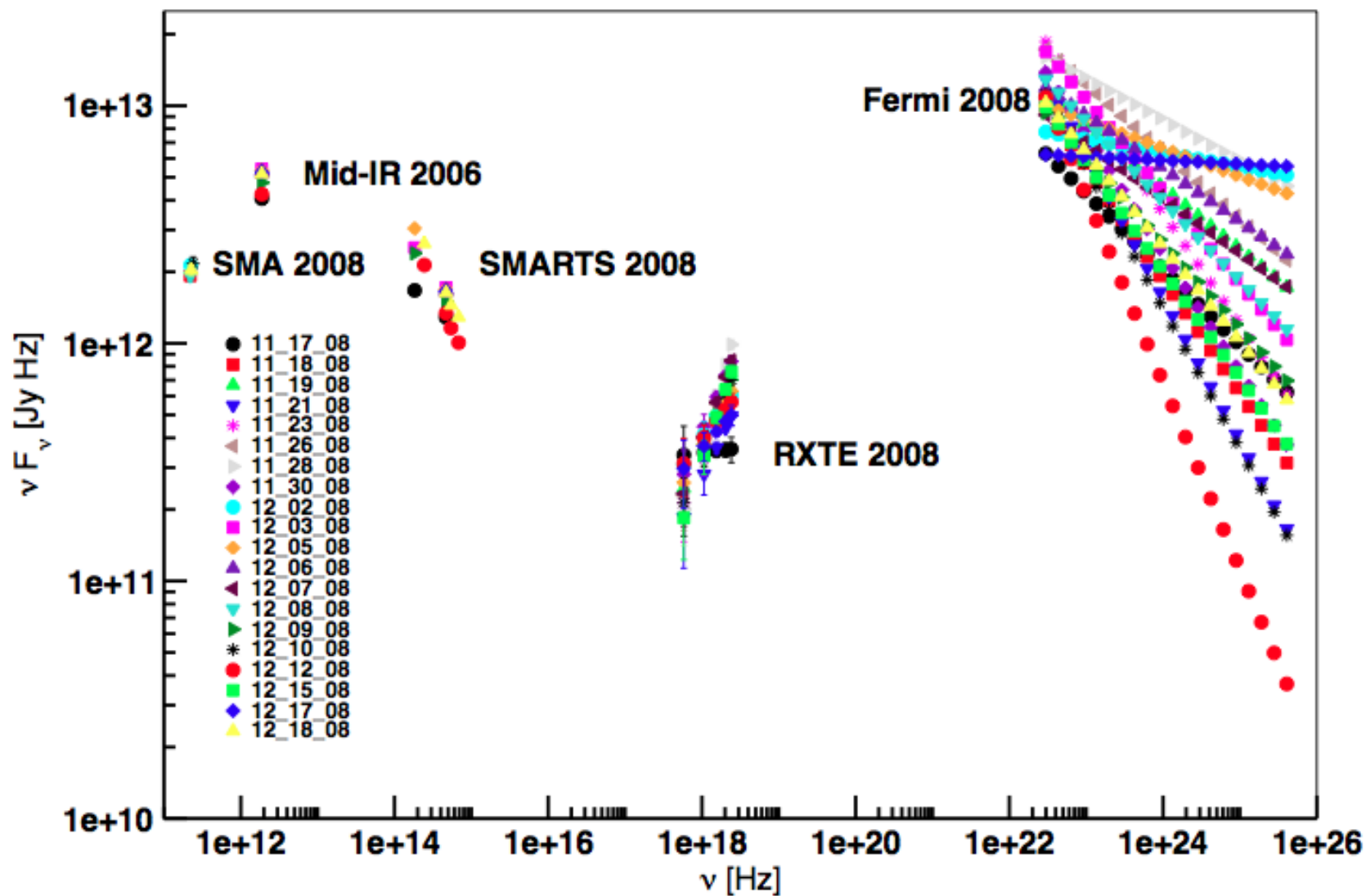


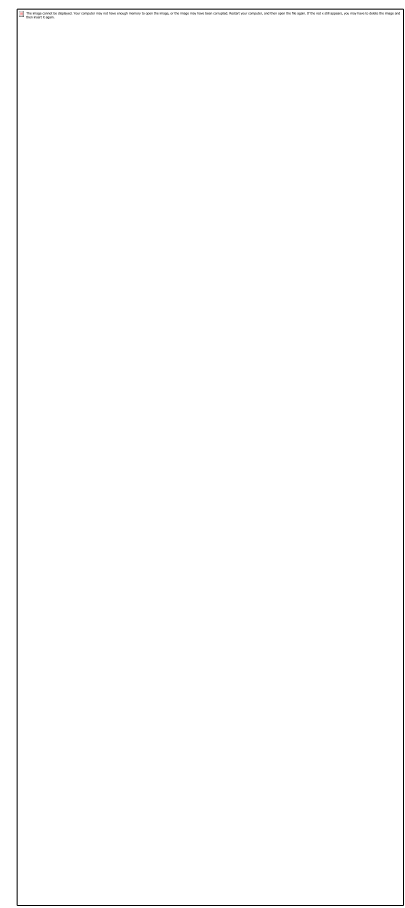
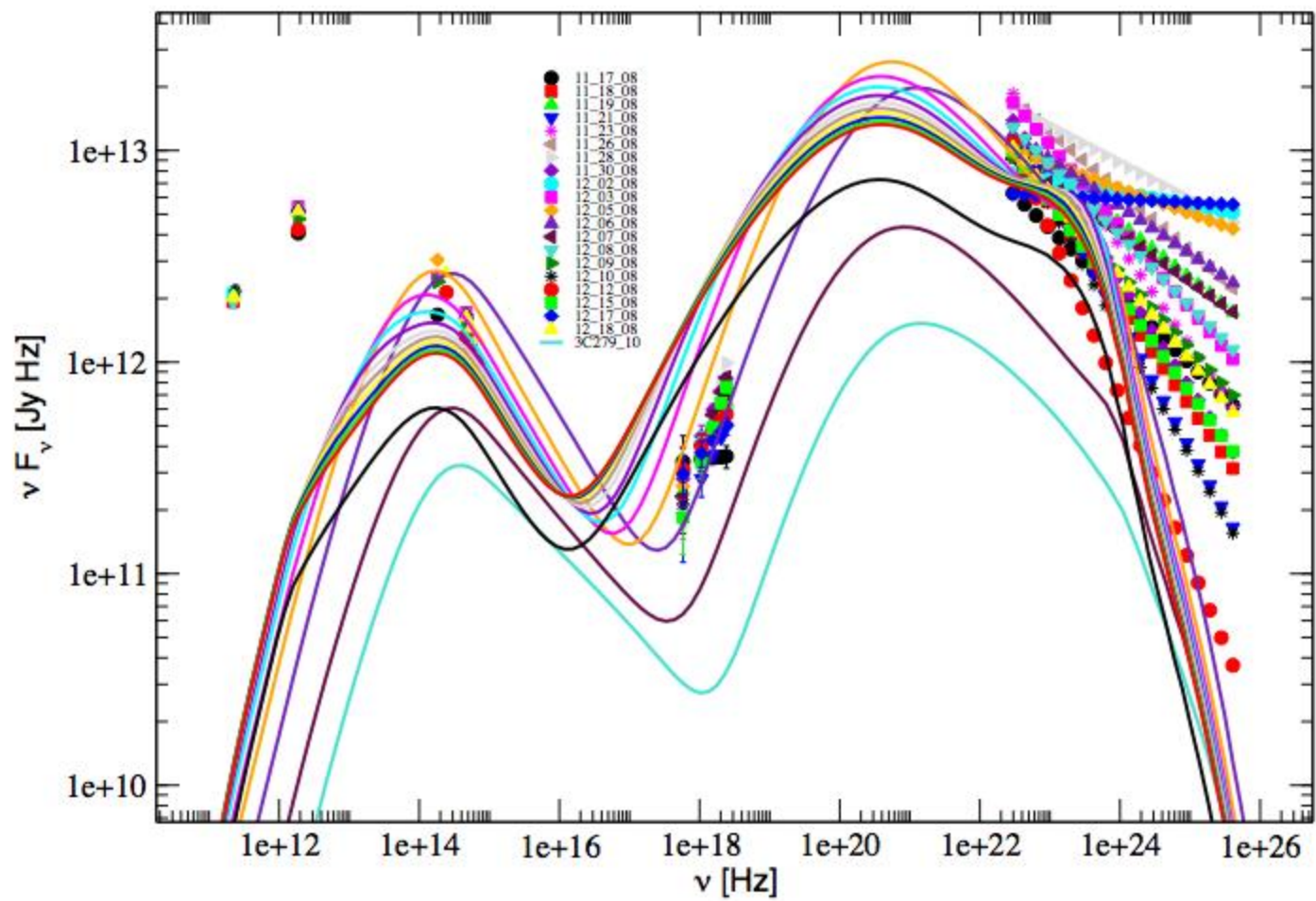
Numerical Method



$$t_{acc}^{\gamma_{max}} \leq t_{syn,cool}^{\gamma_{max}} \Rightarrow \gamma_{max} \leq \sqrt{\frac{3e}{B\sigma_T}}$$

$$\frac{r_L}{h_z} = \frac{m_e c^2}{eB} \frac{\sqrt{\gamma_{max}^2 - 1}}{h_z} < 1$$





The image cannot be displayed. Your computer may not have enough memory to open the image, or the image may have been corrupted. Restart your computer, and then open the file again. If the red x still appears, you may have to delete the image and then insert it again.

Conclusions

- Low $\tau \sim 10^3$, high Doppler factor, $\delta \sim 10$.
- Fitting optical & X-ray leads to $p \sim 3.4$.
- Multi-zone model - a step closer.

Saga continues.....

External Comptonization to be included.

Lots of simulations for a “perfect” fit.



