

Discovery of Recombining Plasma from A Magnetic Cataclysmic Variable, EX Hya with Suzaku

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- Trying 3CIE model fitting (HP,MP,LP)
- We found large residuals at 9-10 keV , which is consistent with a radiative recombination continuum (Fe XXVI RRC).
- Adding Fe XXVI RRC model ,we resolved 9-10 keV residual.
 - ▶ the plasma of EX Hya has larger fraction of Fe XXVII ions than that of CIE.
 - ▶ We suggest the plasma is recombining plasma (RP).
 - ▶ This is the first discovery of the from mCVs

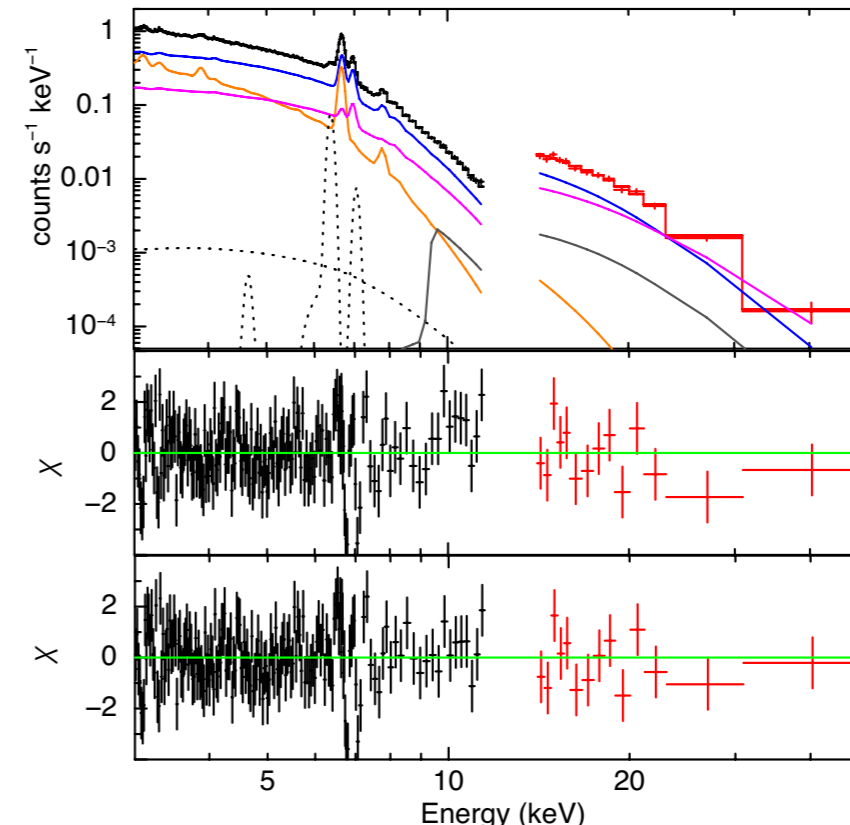
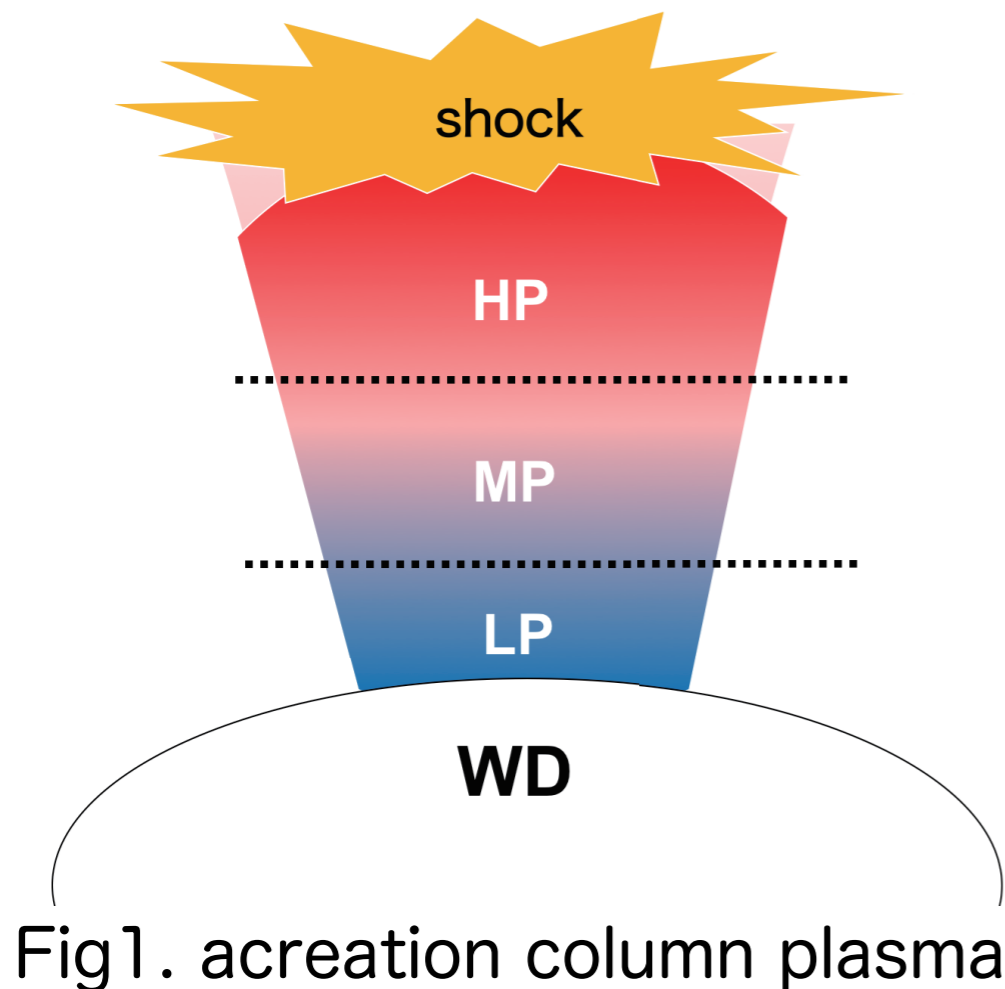


Fig 2.Fitiing model
3CIE(HP+MP+LP)+redge