Assignment

- Look up the ROSAT all-sky survey count rate of the cataclysmic variable star SU UMa

- Assuming optically-thin thermal plasma emission with kT=6 keV and interstellar absorption of $N_H=10^{20}cm^{-2}$, estimate the 2-10 keV energy flux of SU UMa

- Further calculate the XMM-Newton RGS count rate, and determine how long an observation is required to accumulate 20,000 RGS counts

- Find out when such an observation could be made next year