

## Astronomy & Astrophysics Division Seminar

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Title : Heating in solar active regions and the importance of X-ray observations

Speaker : Giulio Del Zanna (DAMTP, University of Cambridge)

Date : 22.03.2018 (Thursday)

Time : 16:00 Hrs

Venue : Seminar Room # 113/114 (Thaltej Campus)

### **Abstract:**

I review a few key observational aspects about how we constrain the heating theories in the cores of active regions. Most of our recent knowledge comes from EUV/UV observations, where very little information on the hot plasma, formed above 3 MK, can be obtained. The soft X-rays around 100 Angstroms are a promising candidate in the future, although important constraints will soon be obtained from X-ray spectroscopy around 10 Angstroms, where measurements of chemical abundances are also possible.

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