

**U054-061**

**Room: Ocean B**

**Time: May 16 16:45-17:00**

## Iron Line Diagnostics of Non-Equilibrium Plasma in Solar Corona and Laboratories

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Non-Equilibrium plasma in the solar corona will be diagnosed by Solar-B EUV instrument called EIS (EUV Imaging Spectrometer). Highly-ionized iron emission lines will be observed in EIS wavelength ranges, namely 170-210Å and 250-290Å. Time-dependent collisional-radiative model for iron ions at various ionization stages will be developed, and the atomic data will be checked with those data taken in LHD, which manifest similar physics in a widely varying temperature ranges.