

# **Scientific and Technical aspects of high resolution extreme ultraviolet imaging spectrometer proposed for future space-borne Indian mission**

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We present the scientific and technical aspects of proposed high resolution extreme ultraviolet imaging spectrometer for future space-borne Indian spacecraft. We briefly describe the science objectives of the mission and propose that this experiment may improve our current understanding on coronal heating, solar wind acceleration and the cause of CMEs. In order to achieve the science objectives the normal incidence technique is proposed for high resolution imaging however it needs specific scientific and technical requirements, which are described in detail. We propose the design of the instrument and discuss the same in preview to scientific and technical perspectives.