



## Aditya L1: India's space plasma laboratory to study the sun

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ADITYA-L1 is the first Indian mission that is dedicated to study solar atmosphere with unprecedented spatial and temporal resolution. The satellite will carry seven payloads and is expected to be launched in 2023 by PSLV-XL from Sriharikota. In this presentation I will give an overview on the different payloads, with status update on the mission. One of the main payloads of Aditya L1 satellite is the inner coronagraph, with a FOV of 1.1 to 3 R with the continuum channel and three spectrographic and spectro-polarimetric channels. In conjunction with the four remote sensing instruments and 3 in-situ instruments I will highlight how Aditya L1 mission can play a role in the diagnostics of the solar corona and space plasma.

### References

The references related to your talks will be used to write summary paper in RMPP (Rev. Mod. Plasma Phys.). So do not miss important papers related to your talk.

Figure xx

**Note: Abstract should be in (full) double-columned one page.**