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Oral

(Invited Talk)

PUNCH will be launched at 2025 April, observing the young solar wind and CMEs and their propagation in white light from 6 R<sub>sun</sub> to 180 R<sub>sun</sub>. The connection of the phenomena in the PUNCH FOV to their solar origins can be made with the help of space-based observations of the EUV corona from the SDO satellite, and outer coronagraph observations from LASCO/C2 (2 R<sub>sun</sub> - 6 R<sub>sun</sub>) and LASCO/C3 (6 R<sub>sun</sub>- 32 R<sub>sun</sub>). The ground-based Mauna Loa Solar Observatory (MLSO) K-Coronagraph can also fill the middle coronal gap in white light for several hours per day. In 2022 Oct, the Chinese satellite ASO-S was launched, with a payload of the Lyman-alpha solar telescope (LST) which has seamless observations from the solar disk to 2.5 solar radii in Lyman-alpha and white-light wavelengths. The synergies between SDO, ASO-S/LST, K-Cor, LASCO and PUNCH will provide continuous observations in space and time for understanding the effects of solar activity on the heliosphere. Moreover, the FOV overlap between the coronagraphs will be essential for intercalibration. In this talk, I will introduce the ASO-S mission and its three payloads. Some preliminary results of observations will be shown, and a prominence eruption traced continuously from solar disk to the FOV of LASCO/C3 will be highlighted.

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Invited or Virtual?

(Invited Talk)