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The SOLAR-C mission: Plan B payloads concept

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Abstract. The latest concept of the plan B for the SOLAR-C mission is presented in this poster. New advanced observations, i.e., precise spectroscopic and polarimetric observations for chromospheric magnetic fields, high throughput spectroscopic observations for dynamics, seamless observations over the entire atmosphere, and high spatial resolution observations, would provide significant progresses in quantitatively exploring fundamental physical processes in the solar magnetic atmosphere, which leads discoveries about heating and dynamics of the Sun. Three sub working groups organized with participants of US and European scientists are now working hard for science and feasibility investigation of three model payloads, i.e., 1.5m near IR-visible-UV telescope, high throughput UV/EUV spectrometer, and next generation X-ray telescope. Three telescope concepts are mainly presented here for having comments from the international solar physics community.