

Abstract Submitted  
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**The EUSO-SPB2 Mission**<sup>1</sup> LAWRENCE WIENCKE, Colorado Sch of Mines, ANGELA OLINTO, University of Chicago, JEM-EUSO COLLABORATION — The Extreme Universe Space Observatory Super Pressure Balloon mission Two(EUSO-SPB2) is in preparation. A science payload of three optical cosmic ray telescopes are planned for this long duration mission. One will measure high energy cosmic rays via fluorescence and two will measure direct Cherenkov light from lower energy cosmic rays and optical backgrounds for cosmogenic tau neutrino signatures. The planned launch date is 2021. This balloon mission will also test techniques and methods for the Probe of Extreme Multi Messenger Astronomy (POEMMA) space mission currently under a NASA sponsored conceptual design.

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