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We present an overview of the PUNCH SOC and its software and data product design philosophy. We discuss the data reduction software and the interfaces that we plan to make available to the science community for both data access and custom data processing. In particular, the PUNCH data product strategy is centered on developing products that are highly user-oriented, accessible, and fully compliant with established standards and software. The baseline products should meet most science users' needs, but the SOC will develop customizable data processing and analysis software to support a wide range of more specific needs and research activities as well. We conclude with a discussion of opportunities for the PUNCH science community to get involved in the SOC's data product and analysis software development, testing, and research activities during the mission development and operational phases.
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