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Development of Chinese ground-based solar coronagraph

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The report comprehensively presents our recent advancements in ground-based solar coronagraph research, particularly the achievements in western solar site selection and the development of medium-small aperture coronagraphs. We are also planning to construct larger-aperture coronagraphs and develop advanced terminal observation systems to study the fine structure and dynamic characteristics of the solar corona atmosphere, aiming to address some of the most recognized astrophysical challenges in coronal physics. Furthermore, we anticipate the establishment of a global ground-based coronagraph network for collaborative observations.

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