

SPACE EXPLORATION SYMPOSIUM (A3)
Space Based Astronomy (4)

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SPACE BASED RADIO ASTRONOMY:DEVELOPMENT AND SUGGESTION

Abstract

AbstractDue to absorption of the atmosphere, radio astronomy has gone from ground to space, especially millimeter and submillimeter wave radio astronomy. In fact several space observatory missions have achieved success, such as the Submillimeter Wave Astronomy Satellite (SWAS) of NASA. Many space scientific goals to be realized, different observatory missions must be projected. As for China, although we have stridden forward, there is a longer way to go. In this paper, a submillimeter wave telescope is proposed for the first Chinese space radio astronomy mission. Some long-term suggestions are also involved.