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## R&D of Travelling Wave Accelerating structures at IHEP

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In Recent years, travelling wave accelerating structures have been studied at IHEP. This report includes the study of R&D of S-band, C-band and X-band accelerating structures. The S-band structure is developed for the CEPC project. The accelerating gradient goal of this structure is 30MV/m at 1 $\mu$ s. The study of C-band structure is supported by Research and Development Funds of IHEP. Also the X-band structure's study will be introduced which is supported by Key Laboratory funds of the Chinese Academy of Sciences. For X-band, open structure was chosen to study.

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