

Submm Wave Instrument (SWI) on a potential ExoMars orbiter

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A submm wave sounder concept called MIME (Microwave Investigation on Mars Express) has been developed and proposed for the Mars Express mission. Based on MIME, an improved state-of-the-art instrumental concept has been developed within the framework of an ESTEC CDF study in order to fit the platform resources of a potential ExoMars orbiter. The talk will address the scientific objectives of this 10 kg / 50 W class submm wave instrument and briefly summarize the instrumental specifications.