

PBG cavities for future ADMX

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As ADMX is looking towards higher frequencies, the reasons to use conventional microwave cavities over other technologies becomes less clear cut. In this talk I will discuss ideas using photonic bandgap structures and meta materials in conjunction with microwave cavities; the benefits which they present and the challenges they pose.

Primary author: Dr WOOLLETT, Nathan (LLNL)

Presenter: Dr WOOLLETT, Nathan (LLNL)