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Towards additive manufacturing of dielectric accelerating structures

Monday, September 16, 2019 7:00 PM (1 hour)

Additive manufacturing techniques such as stereolithography can simplify prototyping of novel accelerator components.

A precise knowledge of the permittivity of the material is essential to the design of dielectric accelerating structures.

We present here measurements of the permittivity of commercially available polymers, as well as tests for vacuum compatibility.

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