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## On the Resonant Properties of THz Laminated Accelerating Structures

*Wednesday, September 18, 2019 5:00 PM (15 minutes)*

The results of theoretical, numerical and experimental studies of THz laminated structures for particle acceleration are presented. The two-layer metallic and metal-dielectric structures are considered. The analytical presentations for longitudinal impedance and wake potential are given. The resonant properties of the synchronous TM<sub>01</sub> fundamental mode are discussed and the conditions for the single-mode traveling wave structure are examined.

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