X-Band RF Structure and Beam Dynamics Workshop - 44th ICFA Advanced Beam Dynamics Workshop

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Aspects of Manifold Wakefield Suppression in Linear Colliders

Tuesday 2 December 2008 11:20 (40 minutes)

Moderate damping of transverse wakefields is effected by slot-coupled manifolds and detuning of the characteristic modes. This manages the emittance dilution and also provides a built-in beam and structure diagnostic. A conspectus is presented on this technique together with potential future applications to CLIC.

Presenter: Dr JONES, Roger

Session Classification: Plenary Session (Chair W. Wuensch)