

ACCELERATOR SEMINAR

“Spin Response Formalism and Spin Matching”

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The spin response formalism is discussed which presents the linear response theory applied to the spin dynamics in circular accelerators. The formalism unifies in one framework several spin-orbital coupling functions, which are used for calculating spin resonances and spin diffusion processes. The application of the formalism for the spin matching to minimize the radiative depolarization of electron beams in storage rings are demonstrated.

Tuesday, November 23, 2010

3:30 p.m. – 4:30 p.m.

CEBAF Center, Room A110