

Nonsupersymmetric branes in heterotic string theories

Friday, 7 June 2024 12:30 (30 minutes)

I will talk about non-BPS branes in heterotic superstring theories. These branes are characterized by topologically nontrivial gauge field configurations on the sphere surrounding the branes. I discuss exact worldsheet theories for the near horizon limit. The worldvolume theories on the branes may be non-Lagrangian, non-supersymmetric systems in higher dimensions, and they have very nontrivial properties related to anomalies and chiral fermions.

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