



High Energy Physics - Theory

Some new results for "jet" stopping in AdS/CFT

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We give a breezy, qualitative overview of some of our recent results on studying jet stopping in strongly-coupled plasmas using gauge-gravity duality. Previously, people have found that the maximum stopping distance in such plasmas scales with energy as $E^{1/3}$. We show that there is an important distinction between typical and maximum stopping distances. For the strongly-coupled excitations that we study, we find that the typical stopping distance scales with energy as $E^{1/4}$.

Comments: Talk at Quark Matter 2011; this is an extended (8 page, 8 figure) version of what is being submitted (4 pages) to the conference proceedings

Subjects: **High Energy Physics - Theory (hep-th)**; High Energy Physics - Phenomenology (hep-ph); Nuclear Theory (nucl-th)

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