OPEN TALK ANNOUNCEMENT

6 January 2016   3:30 p.m   Fermion

Speaker:
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(VASP Short Term Visitor to Prof. Rabin Banerjee)

Affiliation:
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Title:
Canonical formulation of ideal magnetohydrodynamics

Abstract:
Although one can easily write down a Hamiltonian for ideal magnetohydrodynamics, but the brackets required to correctly reproduce the equations of motion turn out to be noncanonical. Thus, the formulation of magnetohydrodynamics in terms of an action principle is quite tricky and different proposals exist in literature. I will summarise these issues and will outline an approach to construct an action for magnetohydrodynamics and also a systematic passage to the Hamiltonian formulation.

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