

APCTP SEMINAR

Magnetic monopoles in effective SU(2) models

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#512, APCTP & Online via ZOOM

I consider a class of effective extensions of the good old Georgi-Glashow SU(2) model that supports 't Hooft-Polyakov magnetic monopole. Some of these effective extensions have surprisingly rich properties: They allow for BPS limit, exact monopole solutions, "hollow" magnetic monopoles and other non-trivial energy density profiles and a novel type of zero mode.

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