

Scalar triplet on a domain wall

Friday, 9 October 2015 16:00 (15)

We consider a model with a real scalar field with polynomial selfinteraction of the 4th power and a coupled scalar triplet. We demonstrate that there is an analytical solution in the form of domain wall with coupled localised configuration of the scalar triplet. We analyse this new solution and also discuss orientational and translational moduli of the configuration.

Presentation type

Section talk (10+5 min)

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Session Classification : Nuclear physics and particle physics - parallel XII

Track Classification : Nuclear physics and particle physics