



Contribution ID : 215

Type : Poster

The early Universe: Particle interacting with domain walls

Tuesday, 29 November 2022 17:10 (120)

We consider the interaction of particles with domain walls in the early Universe. The domain wall is a topological soliton of a scalar field. We obtain quantitative estimates for transmission and reflection coefficients using various approximate expressions for the effective potential of interaction.

Primary author(s) : Mr. KIRILLOV, Alexander (National Research Nuclear University MEPhI); Ms. ES-IPOVA, Ekaterina (National Research Nuclear University MEPhI); Prof. RUBIN, Sergey (National Research Nuclear University MEPhI); Mr. GANI, Vakhid (National Research Nuclear University MEPhI, National Research Centre “Kurchatov Institute”)

Presenter(s) : Ms. ESIPOVA, Ekaterina (National Research Nuclear University MEPhI)

Session Classification : Poster Session

Track Classification : Gravitation and cosmology