Contents

General

Thomas Warmann
The generation of mass in a non-linear field theory — 723

Gravitation & Cosmology

Stanley A. Bruce
Towards a self-interacting complex scalar field boson-star model — 799

Leonardo Chataignier
Beyond semiclassical time — 805

Solid State Physics & Materials Science

Fatemeh Molavi-Vardanjani, Naser Hatefi-Kargan and Ahmadreza Daraei
Performance of a tunable photoconductive graphene plasmonic photodetector — 813