

Effects of a strong magnetic field on the composition of nuclear matter including the anomalous magnetic moments

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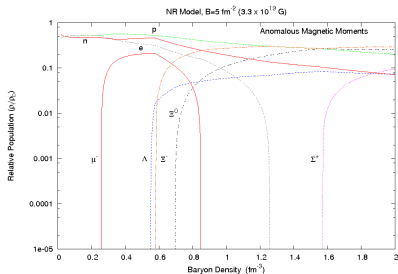
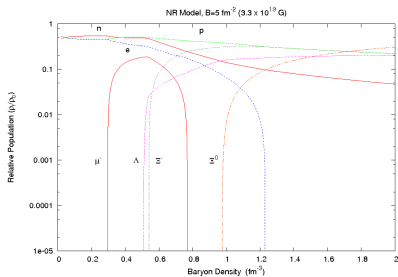
Compact Stars in the QCD Phase Diagram III

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Introduction

- In this work we study the influence of a strong magnetic field on the composition of nuclear matter at high densities and zero temperature
- We describe the matter through a relativistic mean-field model with eight baryons (baryon octet), electrons and muons
- Important effects of Landau quantization and Anomalous magnetic moments (AMM's) of baryons

Numerical Results



See you there!

