

Chapter 8: Connection and input to astro (particle) physics

Cross-references with the other chapters

8.1 The nuclear EoS: experimental & astrophysical constraints

■ Chapter 4

In Sect. 8.1 is stressed the necessity of better constrain YN & YY interactions (also hyperonic 3BF) to “solve” the hyperon puzzle. A reference to Chapter 4 is already established but it has to be strengthened more, in particular with:

- Sect. 4.2.3: Baryon-baryon interactions
- Sect. 4.3.4: Hypernuclei (also sect. 7.2.7 of **Chapter 7**)
- Sect. 4.3: Scattering parameters from production experiments
- Sect. 4.4: Femtoscopy
- Sect 4.5: Hadron interactions from LQCD (also sect. 3.5 of **Chapter 3**)

■ Chapter 7

Strengthen the connection with sect. 7.2.4 (in-medium properties of strange hadrons)