



II Bergamo Summer School  
5. - 9. August 2012

This years Bergamo Summer School focuses on two topics in hadron physics.  
How does a possible content of strange matter influence the equation of state and thus the properties of neutron stars?  
What do we learn about hot matter, produced at collisions with large energy, by observation of Jets?  
Like every year we prepare ourselves by reading selected articles and present our knowledge to the group to start a discussion.

**Strangeness nuclear physics: a critical review on selected topics**

E. Botta, T. Bressani and G. Garbarino, EPJ A48, 41 (2012).

**Nuclear Equation of State**

P. Danielewicz, arXiv:nucl-th/0112006v1

**Hyperons and massive neutron stars: the role of hyperon potentials**

S. Weissenborn et al., Nucl. Phys. A881, 62-77 (2012).

**Determination of the Equation of State of Dense Matter**

P. Danielewicz et al. Science 298, 1592 (2002).

**Jet quenching**

D. d'Enterria, Landolt-Börnstein Vol. 1-23A, Springer Verlag, (2010).

**Hypernuclear Physics for Neutron Stars**

J. Schaffner-Bielich, Nucl. Physic. A804, 309-321(2008).

