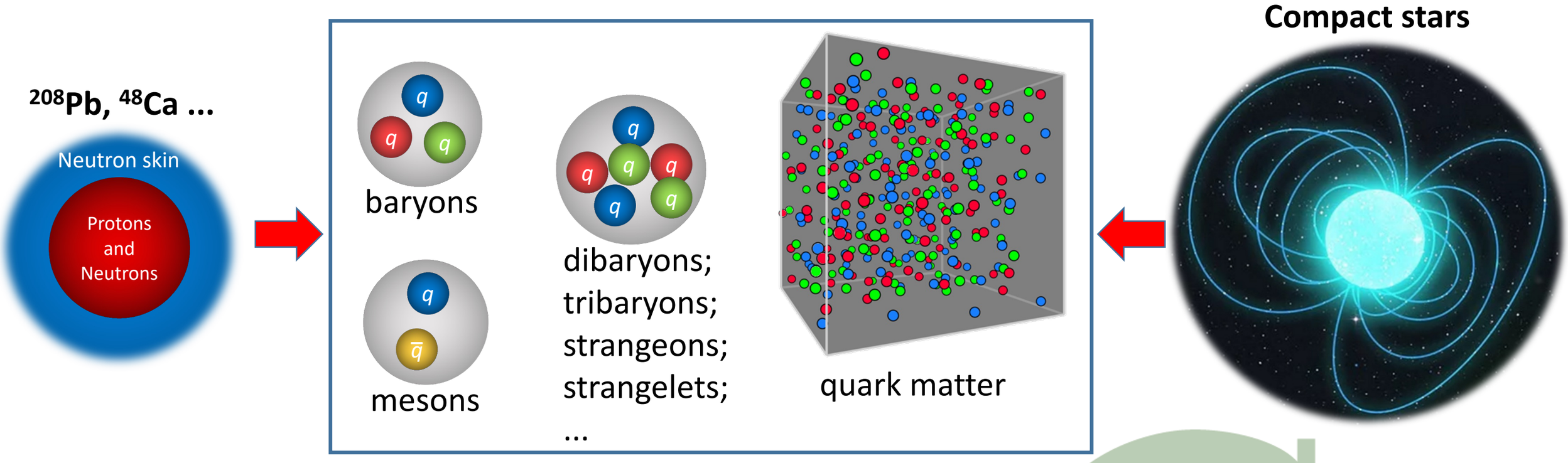
https://psr.pku.edu.cn/qcs/qcs2023

Quarks and Compact Stars

Yangzhou University, Yangzhou, China; Sept. 23-26, 2023



The dense matter in both finite nuclei and compact stars are essentially made of quarks, either grouped or free. Due to the non-perturbative nature, it is challenging to implement QCD to unveil its properties. In the past few years, we have witnessed significant progresses on constraining the properties of dense matter with various astrophysical observations and nuclear experiments.

The quarks and compact stars (QCS) series are interdisciplinary workshops and are being held periodically among China, Japan, and Korea, which cover various topics on compact stars, e.g., equations of state, gravitational waves, tidal deformability, low-mass X-ray binaries, nuclear symmetry energy, QCD effective models and physics of dense matter. Now we are organizing the 4th QCS workshop (QCS 2023) in the Center for Gravitation and Cosmology at Yangzhou University, China, from Sept. 23rd to 26th, 2023, which is located at the city Yangzhou (city of gastronomy) with exquisite traditional gardens, beautiful waterscape and numerous historical sites.