

Doctoral Training Programme

Neutron-rich matter: constraints from nuclear physics and astrophysics

Week 2

April 22 – 26, 2013

Monday, April 22

10h00-11h00 and 11h30-12h30

Sanjay Reddy (*INT and University of Washington, USA*)

Physics of the neutron crust.

Tuesday, April 23

10h00-11h00 and 11h30-12h30

Sanjay Reddy (*INT and University of Washington, USA*)

Physics of the neutron crust.

14h30-15h00 and 15h00-15h30 Seminar room of Villa Tambosi

Sanjin Benic (*Zagreb University, Croatia*): *Hybrid stars in the non-local PNJL model.*

Giuseppe Colucci (*Goethe Universitaet Frankfurt, Germany*): *Rescuing Hyperons in neutron stars.*

Wednesday, April 24

10h00-11h00 and 11h30-12h30

Sanjay Reddy (*INT and University of Washington, USA*)

Physics of the neutron crust.

Thursday, April 25

10h00-11h00 and 11h30-12h30

Sanjay Reddy (*INT and University of Washington, USA*)

Physics of the neutron crust.

14h30-15h00 and 15h00-15h30 Seminar room of Villa Tambosi

14h30-15h00, **Ingo Tews** (*TU Darmstadt, Germany*): *A local chiral EFT potential for Quantum Monte Carlo calculations.*

15h00-15h30, **Thomas Krüger** (*TU Darmstadt, Germany*): *Neutron matter from chiral EFT and applications for astrophysics.*

Friday, April 26

10h00-11h00 and 11h30-12h30

Sanjay Reddy (*INT and University of Washington, USA*)

Physics of the neutron crust.