

SFB1245 Topical Lecture Week with Prof. Evgeny Epelbaum

Effective theory of nuclear interactions

Day 1 – Monday, August 18th

Venue: Theory lecture hall (S2|11 R. 10)

9:00 - 9:30	Introduction
9:30 - 10:30	<u>Lecture 1</u> : Brief Introduction to EFT
10:30 - 11:00	Coffee Break
11:00 - 12:30	<u>Lecture 2</u> : Chiral perturbation theory
12:30 - 14:00	Lunch
14:00 - 15:30	Discussion session

Day 2 – Tuesday, August 19th

Venue: Library lecture hall (S120, R. 01)

9:00 - 10:30	<u>Lecture 3</u> : Pionless EFT
10:30 - 11:00	Coffee Break
11:00 - 12:30	<u>Lecture 4</u> : Inclusion of Pions
12:30 - 14:00	Lunch
14:00 - 15:30	Discussion session

Day 3 – Wednesday, August 20th

Venue: Library lecture hall (S120, R. 01)

9:00 - 10:30	<u>Lecture 5</u> : Nuclear Interactions from chiral EFT
10:30 - 11:00	Coffee Break
11:00 - 12:30	<u>Lecture 6</u> : Gradient flow regularization
12:30 - 14:00	Lunch