

Session Program

13-17 May 2019



SN neutrinos at the crossroads: astrophysics, oscillations, and detection

Flavor conversions

ECT* - Villa Tambosi, Meeting room
Strada delle Tabarelle, 286 38123 - Villazzano (TN) Italy

Tuesday 14 May

10:00

Flavor conversions

Session | Location: ECT* - Villa Tambosi, Meeting room, Strada delle Tabarelle, 286 38123 - Villazzano (TN) Italy

11:20–12:00 **Flavor evolution of dense neutrinos as an emergent phenomenon**

Speaker
Dr Georg Raffelt

12:00–14:00 **Lunch**

14:00–14:30 **Effective theory of collective neutrino oscillations**

Speaker
Prof. Alexei Smirnov

14:30–15:00 **Algebraic approach to collective neutrino oscillations**

Speaker
Prof. Baha Balantekin

15:00–15:30 **Neutrino flavor evolution beyond the standard frameworks**

Speaker
Prof. Cristina Volpe

15:30–16:10 **Coffee Break**

16:10–16:40 **NSI effects on supernova neutrino oscillations**

Speaker
Prof. Amol Dighe

16:40–17:10 **Numerical toy models for fast and slow neutrino oscillations**

Speaker
Prof. Guenter Sigl

17:10–17:30 **Coffee break**

17:30–17:50 **Slow and fast collective oscillations: 3 flavor analysis**

Speaker
Prof. Sovan Chakraborty

17:50–18:10 **Stability of three flavor neutrino conversion in supernova**

Speaker
Mr Christian Döring

18:50