

## Session Program

13–17 May 2019



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

## *Nucleosynthesis and new particle emission*

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

# Wednesday 15 May

09:00

## Nucleosynthesis and new particle emission

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

### 09:30–10:10 Neutrinos and supernovae

#### Speaker

Prof. Thomas Janka

### 10:10–10:50 Nucleosynthesis: an overview

#### Speaker

Prof. Karlheinz Langanke

### 10:50–11:30 Coffee break

### 11:30–12:10 Neutrinos and nucleosynthesis in supernova

#### Speaker

Prof. Gabriel Martinez-Pinedo

### 12:10–13:40 Lunch

### 13:40–14:00 Neutrino nucleosynthesis with time-dependent neutrino-emission spectra

#### Speaker

Dr Andre Sieverding

### 14:00–14:30 Effect of opacities on neutrino signal

#### Speaker

Prof. Tobias Fischer

### 14:30–15:00 Coffee Break

### 15:00–16:00 Colloquium: Chasing Neutrinos Around the World: A Personal History

#### Speaker

Prof. Mark Vagins

### 16:00–16:20 Coffee break

### 16:20–16:50 Supernovae & axions

#### Speaker

Prof. Maurizio Giannotti

### 16:50–17:20 Progenitors of core-collapse SNe: neutrinos and other WISPs

#### Speaker

Prof. Oscar Straniero

### 17:20–17:50 Global comparison of spherically symmetric SN explosions

**Speaker**  
Prof. Evan O'Connor

17:50–18:10 **Break**

18:10–18:30 **The effect of neutrino oscillations on core-collapse supernova explosion**

**Speaker**  
Dr Charles Stapleford

18:30–18:50 **Crossings between the angular distributions of neutrinos in the supernova core**

**Speaker**  
Dr Shashank Shalgar

18:50