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PROGRAM:

**SATURDAY 20<sup>th</sup> November, 2021**

8:00-9:15 Carpool to Santo Stefano Belbo from Torino (85 km: A21 Torino-Piacenza→AstiEst→Isola d'Asti→SSBelbo)

9:15-10:00 Arrival, coffee at *Fondazione Cesare Pavese*  
(<https://fondazionecesarepavese.it>)  
Chiesa dei Santi Giacomo e Cristoforo

10:00-13:00 Physics: Intro to Group 4, 3 minute presentation by all participants

13:00-14:30. Lunch at *Cascina Fontanette* (<https://cascinafontanette.com>)

14:30-15:30 Excursion in the vineyards/ Itinerari Pavesiani

15:30-17:15 Physics: group presentations by FIELDS (GSS 30', ST&FI 30', SFT 15'), STAT(BioPHYS 20', FIELDTURB 15')

17:15-18:00 Aperinobel

18:00-18:15 Saluti del Direttore della Sezione INFN di Torino Angelo Rivetti e celebrazione dei 70 anni dell'INFN

18:15-19:00 Public Lecture by Michele Caselle: *La Fisica della complessità: come trovare ordine nel disordine*

20:00 Dinner at Ristorante Albergo *La Bossolasca* (<https://www.labossolasca.it>)

**SUNDAY 21<sup>st</sup> November, 2021**

10:00-12:00 Physics: group presentations by PHENO (SPIF 15'+15', Badger 20'), NUCLEI (NINPHA 15', SIM 15', NucSys 5')

12:00-13:00 Excursion

12:00-13:30 Lunch at *Cascina Giliana* (<https://it-it.facebook.com/pages/category/Community/Ristorante-Cascina-Giliana-715240248561548/>)

13:30-15:00 Excursion

15:00-16:30 Physics: group presentations by ASTRO (TASP 40', INDARK 15'), GW (PROMETEO 20')

16:30-17:15 Final discussion, Closure

17:15-18:00 Coffee, goodbye

18:00-19:30 Carpool from Santo Stefano Belbo to Torino (85 km)

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**FIELDS & STRINGS**

GSS (Gauge Theories, Supergravity and Strings): Angelantonj 15' e Grassi 10'  
ST&FI (Strings and Field Theory): Pesando 10', Billo' 5', Maccaferri 5', Pini 5'  
SFT (Statistical Field Theories): Tateo 15'

**STATISTICAL PHYSICS AND APPLIED FIELD THEORY**

BioPHYS (Computational Biology) Caselle 20'  
FIELDTURB (Particle and Fields in Turbulence) Musacchio 15'

**PARTICLE PHENOMENOLOGY**

SPIF (precision Studies of Fundamental Interactions) Magnea 15', Jung 15', Badger 20'

**NUCLEAR AND HADRONIC PHYSICS**

NINPHA (Physics of Hadrons) Boglione 15'  
SIM (Strongly Interacting Matter) Beraudo 15'  
NucSyS(Nuclear Theory and EW interactions) Beraudo 5'

**ASTROPARTICLE PHYSICS**

TASP (Theoretical Astroparticle Physics) Giunti  
INDARK (Dark Matter and Modified Gravity)

**GRAVITATIONAL WAVES**

Prometeo (Theory of GW) Nagar 20'

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