







Fall 2022 JUNO European-American collaboration meeting

Welcome

Ferrara - 24-28 October 2022



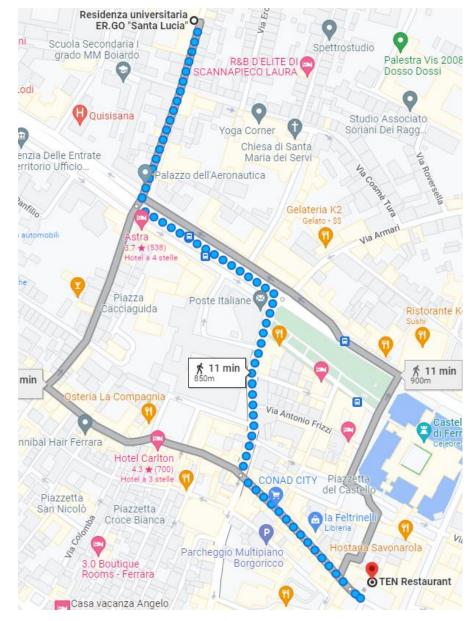
Where are you?

- Headquarter of University of Ferrara, founded on 1391 marquis Alberto V D'Este with the permission of Pope Boniface IX.
- Presently University of Ferrara is organized in 13
 Departments: 1228 professors and researches, 534
 administrative employees and about 25.200 students
- Santa Lucia church was built in 1537 by duke Ercole II d'Este.
- We are in the Dominican nuns' monastery which was closed in 1903, subsequently used for the boys' orphanage and for high school until the end XX century.

Welcome and introduction	Fabio Mantovani
Aula Magna del Rettorato, University of Ferrara	10:30 - 10:35
Armenia 10'	Ara Ioannisian
Aula Magna del Rettorato, University of Ferrara	10:35 - 10:45
Belgium 10'	Barbara Clerbaux
Aula Magna del Rettorato, University of Ferrara	10:45 - 10:55
Croatia 10'	Budimir Kliček
Aula Magna del Rettorato, University of Ferrara	10:55 - 11:05
Czech Republic 10'	Vit Vorobel
Aula Magna del Rettorato, University of Ferrara	11:05 - 11:15
Finland 10'	Wladyslaw Trzaska
Aula Magna del Rettorato, University of Ferrara	11:15 - 11:25
France 10'	Marcos Dracos
Aula Magna del Rettorato, University of Ferrara	11:25 - 11:35
Germany 10'	Achim Stahl
Aula Magna del Rettorato, University of Ferrara	11:35 - 11:45
Italy 10'	Gioacchino Ranucci
Aula Magna del Rettorato, University of Ferrara	11:45 - 11:55
MSU&INR 10'	Alexander Studenikin
Aula Magna del Rettorato, University of Ferrara	11:55 - 12:05
JINR 10'	Yury Malyshkin
Aula Magna del Rettorato, University of Ferrara	12:05 - 12:15
Slovakia 10'	Fedor Simkovic
Aula Magna del Rettorato, University of Ferrara	12:15 - 12:25
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Lunch - 24/10/2022 - 12:25 - 14:00

24 October morning

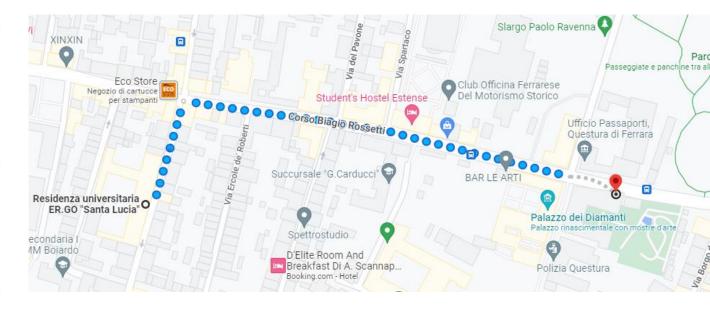


TEN Restaurant – Piazza del Municipio 20 – 44122 Ferrara

Aula Magna del Rettorato, University of Ferrara	12:25 - 14:00
Status update of OSIRIS	Kai Loo
Aula Magna del Rettorato, University of Ferrara	14:00 - 14:15
OSIRIS Onsite Work	Moritz Cornelius Vollbrecht et al.
Aula Magna del Rettorato, University of Ferrara	14:15 - 14:30
Unfolding of the supernova burst neutrino spectrum	Thilo Birkenfeld
Aula Magna del Rettorato, University of Ferrara	14:30 - 14:50
Supernova	Claudio Lombardo
Aula Magna del Rettorato, University of Ferrara	14:50 - 15:10
Supernova neutrino light curve studies	Marta Colomer Molla
Aula Magna del Rettorato, University of Ferrara	15:10 - 15:20
Atmospheric neutrinos in JUNO	Mariam Rifai et al
Aula Magna del Rettorato, University of Ferrara	15:20 - 15:40
Sensitivity to 7Be, pep, CNO solar neutrinos fluxes and til Aula Magna del Rettorato, University of Ferrara	ne modulations Davide Basilico 16:00 - 16:20
Americas 10' Aula Magna del Rettorato, University of Ferrara	J. Pedro Ochoa-Ricoux 16:20 - 16:30
Coffee Break - 24/10/2022 - 16:30 = 16:50	10.20 10.00
Aula Magna del Rettorato, University of Ferrara	16:30 - 16:5
DCI - Distributed Computing Infrastructure	Giuseppe Andronic
Aula Magna del Rettorato, University of Ferrara	16:50 - 17:10
Update on SHELDON	Marco Beretti
Aula Magna del Rettorato, University of Ferrara	17:10 - 17:30
Optical properties of the JUNO liquid scintillator	Gioele Reina
Aula Magna del Rettorato, University of Ferrara	17:30 - 17:50
Young scientist in JUNO meeting: Young Scientist in JUN	Pl's & seniors discussion on analysis: Pl's & seniors discussion on analysis
Aula Magna del Rettorato, University of Ferrara 17:50 - 19:0	Aula Magna del Rettorato, University of Ferrara 17:50 - 19:00

24 October afternoon

- Young scientist JUNO meeting: headquarter of University of Ferrara
- PI's & senior discussion on analysis: University Institute for Higher Studies (IUSS) building



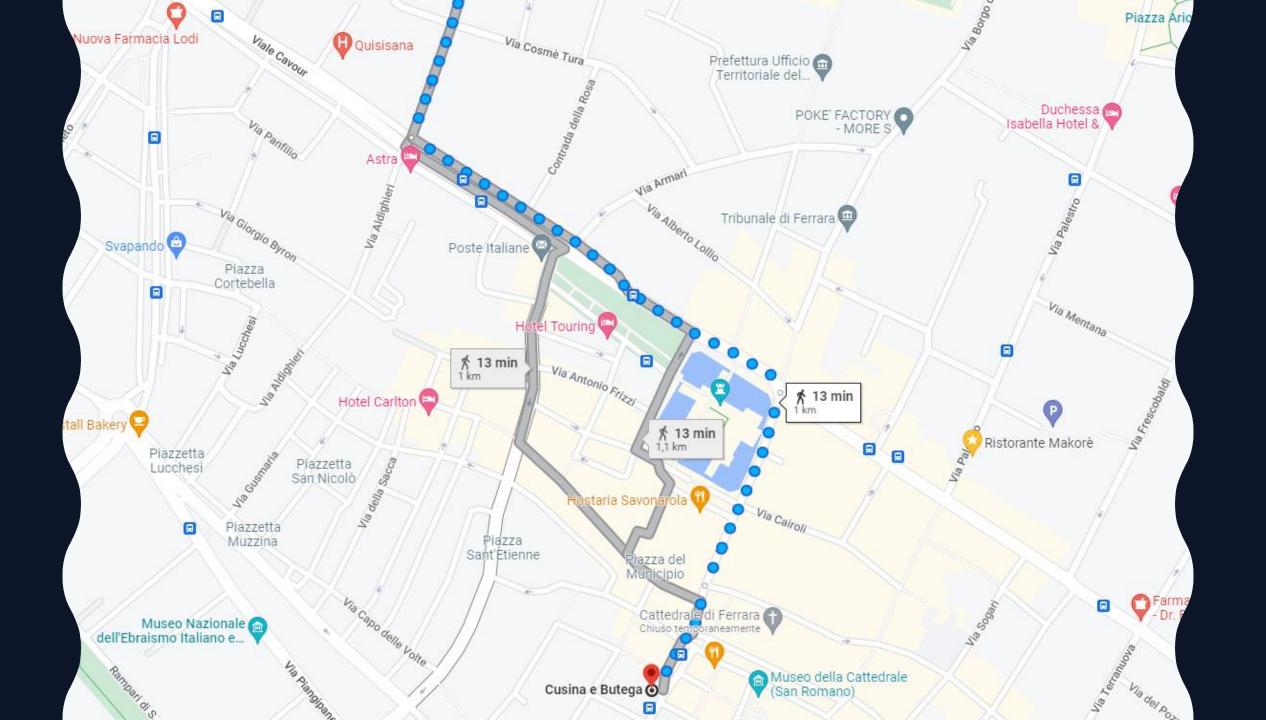
IUSS - Sede Palazzo Turchi di Bagno - Corso Porta Mare 2 - 44122 - Ferrara

24 October evening

Social dinner

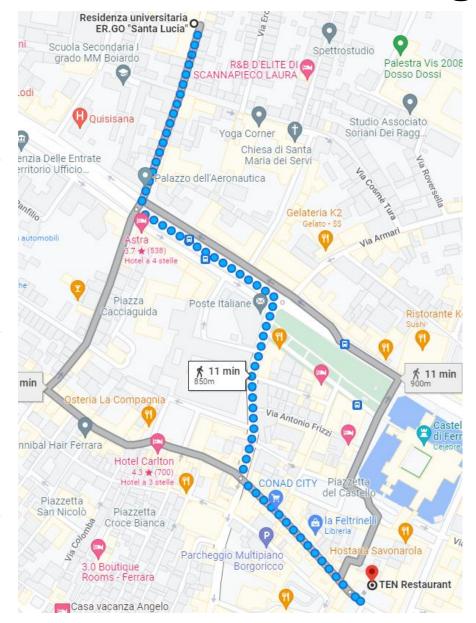
Cusina e Butega Restaurant Corso Porta Reno 28 - Ferrara





Progress on the full Monte Carlo production of IBD-like spectral components at Anita Meraviglia	nd geoneutrino sensitivity studies
Modelling the unoscillated antineutrino spectrum	Beatrice Jelmini
Aula Magna del Rettorato, University of Ferrara	09:20 - 09:40
Reactor antineutrino spectrum production	Davide Chiesa
Aula Magna del Rettorato, University of Ferrara	09:40 - 09:50
Fitting the oscillated reactor spectrum	Andrea Serafini
Aula Magna del Rettorato, University of Ferrara	09:50 - 10:10
NMO sensitivity studies with MASFit (Milano Antineutrino Spectrum FITter)	Elisa Percalli
Aula Magna del Rettorato, University of Ferrara	10:10 - 10:30
JUNO sensitivity to NMO and oscillation parameters with MC	Maxim Gonchar
Aula Magna del Rettorato, University of Ferrara	10:30 - 10:50
Coffee Break - 25/10/2022 - 10:450 = 11:10	
Aula Magna del Rettorato, University of Ferrara	10:50 - 11:10
Energy reconstruction and particle identification for atmospheric neutrino even	its using GCNs Rosmarie Wirth
Aula Magna del Rettorato, University of Ferrara	11:10 - 11:30
Update on waveform reconstruction	Michaela Schever
Aula Magna del Rettorato, University of Ferrara	11:30 - 11:45
Status of the integration of the SPMT system	Cedric Cerna
Aula Magna del Rettorato, University of Ferrara	11:45 - 12:05
Mass testing of the LPMT Electronics	Katharina Caecilie Von Sturm Zu Vehlingen
Aula Magna del Rettorato, University of Ferrara	12:05 - 12:25
Lunch - 25/10/22022 - 12:30 - 14:00	

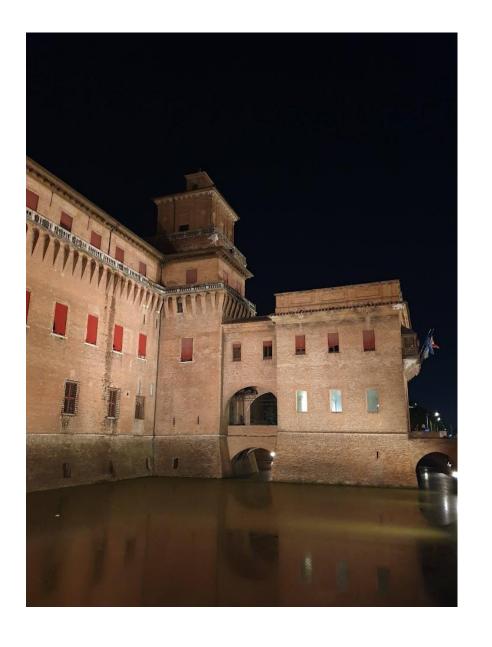
25 October morning



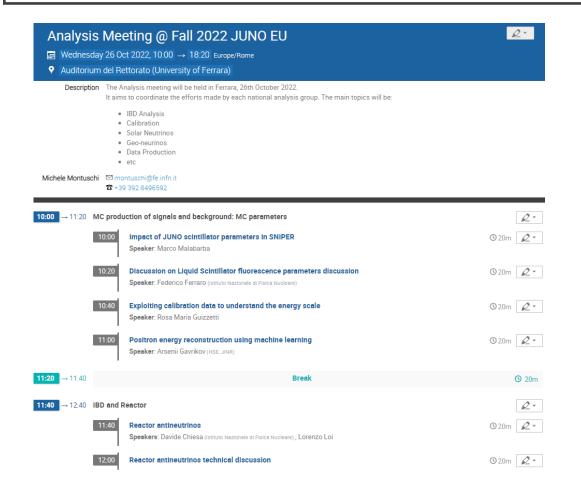
TEN Restaurant – Piazza del Municipio 20 – 44122 Ferrara

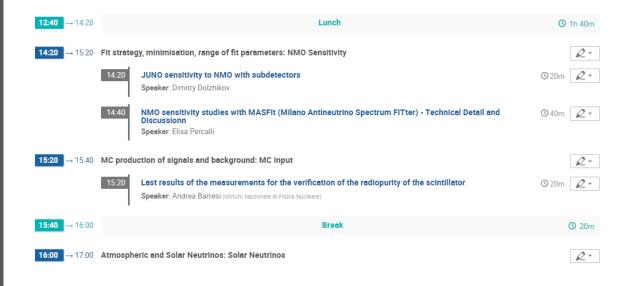
25 October afternoon

Aula Magna del Rettorato, University of Ferrara	12:25 - 14:00
Top Tracker Electronics	Alessandro Paoloni
Aula Magha del Rettorato, University of Ferrara	14:00 - 14:20
TT concentrator & global trigger board	Floriah Fritch et al.
Aula Magha del Rettorato, University of Ferrara	14:20 - 14:40
Prototype studies	Pathiranage Shamilka Deshan Sandanayake
Aula Magha del Rettorato, University of Ferrara	14:40 - 15:00
TT offline software	Rebin Karaparambil
Aula Magha del Rettorato, University of Ferrara	15:00 - 15:20
TT Online	Dehis Korablev
Aula Magha del Rettorato, University of Ferrara	15:20 - 15:40
TT Mechanics and installation	Yuri Gorhushkin
Aula Magha del Rettorato, University of Ferrara	15:40 - 16:00
Coffee Break - 25/10/2022 - 16:00 - 16:20	
Aula Magna del Rettorato, University of Ferrara	16:00 - 16:20
SiPM - TAO	Claudio Lombardo
Aula Magna del Rettorato, University of Ferrara	16:20 - 16:40
TAO Status	Stefano Maria Mari
Aula Magna del Rettorato, University of Ferrara	16:40 - 17:00



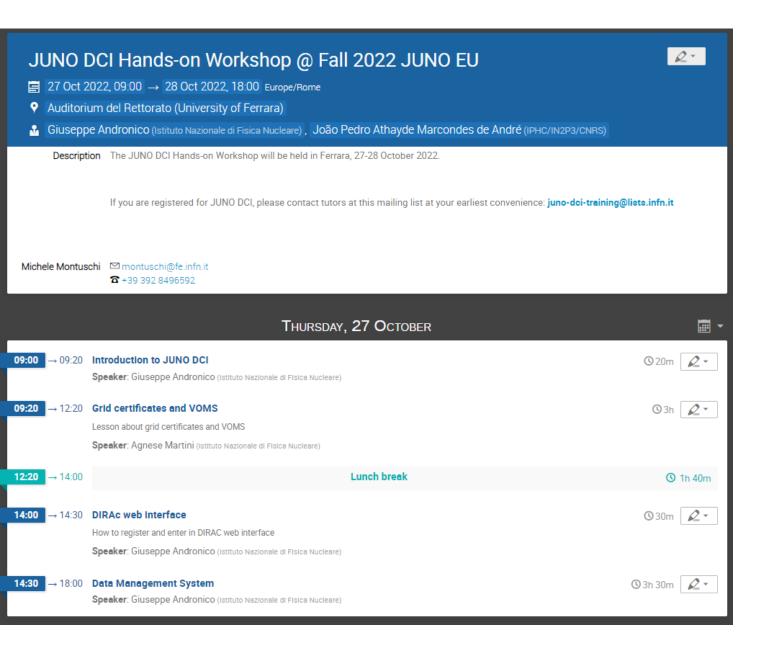
26 October

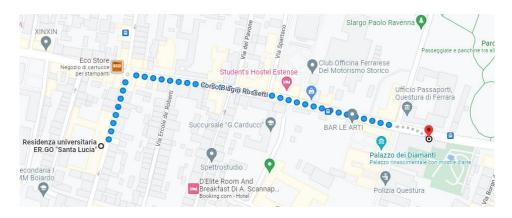




Headquarter of University of Ferrara Via L. Ariosto 35 – 44121- Ferrara

27-28 October - JUNO DCI Hands-on Workshop





IUSS - Sede Palazzo Turchi di Bagno – Corso Porta Mare 2 – 44122 – Ferrara

Chairman list

Monday 24th October 2022 - JUNO EU-AM Meeting First Day

- Giacchino Ranucci on Monday 24th October 10.30 12.25
- Andrea Serafini on Monday 24th October 14.00 16.30
- Katharina von Sturm on Monday 24th October 16.50 17.50

Tuesday 25th October 2022 - JUNO EU-AM Meeting Second Day

- Cecile Jollet on Tuesday 25th October 09.00 10.50
- Barbara Caccianiga on Tuesday 25th October 11.10 12.25
- Marcos Dracos on Tuesday 25th October 14.00 16.00
- Kai Loo on Tuesday 25th October 16.20 17.00

Wednesday 26th October 2022 - JUNO Analysis Workshop

- Livia Ludhova on Wednesday 26th October 10.00 12.40
- Marco Grassi on Wednesday 26th October 14.20 16.20



