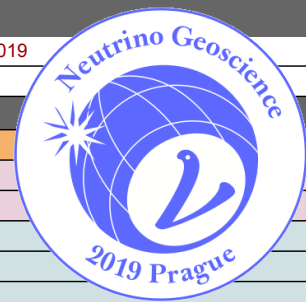


Timetable of NEUTRINO GEOSCIENCE 2019 PRAGUE (21–23 October)

<https://indico.cern.ch/e/ngs2019>

Version exported 10/21/2019



Begin	End	Minutes	Speaker	Title
Monday, October 21				
8:30	9:30			registration + coffee
9:30	9:35	5	Ondřej Šrámek	Welcome and information
9:35	9:40	5	Vladimír Baumruk	Official kick-off by vice dean for physics
Chair: Sanshiro Enomoto				
9:40	10:00	20	Mark Chen	Introduction to geoneutrinos
10:00	10:30	25+5	Hiroko Watanabe	Geoneutrino measurement with KamLAND
10:30	11:00	25+5	Sindhujha Kumaran	Borexino: Latest improvements of the geoneutrino results
11:00	11:30	30		coffee break
Chair: Sandra Zavatarelli				
11:30	12:00	10+20	Bill McDonough	The mantle's radioactive power - Understanding the geoneutrino signal
12:00	12:30	25+5	Paul Tackley	Mantle convection, plate tectonics and the thermo-chemical evolution of the Earth
12:30	13:00	25+5	Lukas Maderer	Earth tomography with KM3NeT/ORCA
13:00	14:30	90		lunch
Chair: Laura Sammon				
14:30	15:00	25+5	Chao Zhang	Reactor antineutrino flux and spectrum
15:00	15:20	15+5	Nozomu Takeuchi	Crust modeling with quantitative and objective uncertainty estimation
15:20	15:35	15		break
Chair: Fabio Mantovani				
15:35	15:55	15+5	Kenta Ueki	Geochemical modeling for no-bias balance calculation
15:55	16:15	15+5	Sanshiro Enomoto	Geoneutrino flux integration without underestimation of errors
16:15	16:40	20+5	Jaroslav Zálešák	Neutrino research in the Czech Republic
16:40	17:00	20	poster presenters	Poster mini-presentation, 3 mins each
17:00	17:30	30		welcome drink
Chair: Ran Han				
17:30	19:30	120		Poster session – presenters: Sindhujha Kumaran, Fabio Mantovani, Vojtěch Patočka, Virginia Strati, Véronique Van Elewyck, Hiroko Watanabe, Ya Xu (max. poster size 80 cm wide x 150 cm tall or 31.5" x 59")

Tuesday, October 22

9:15	9:30	15		group photo on the Charles Bridge
Chair: Paul Tackley				
9:30	10:00	25+5	Ingrida Semeneč	Geo-neutrinos in SNO+
10:00	10:30	25+5	Bedřich Roskovec	Geoneutrino measurement at JUNO
10:30	11:00	25+5	Benda Xu	Progress of Jinping neutrino experiment program
11:00	11:30	30		coffee break
Chair: Livia Ludhova				
11:30	12:00	25+5	Christoph Burkhardt	Old truths and new views on the formation and evolution of the Earth
12:00	12:30	25+5	Yury Malyskin	Geo-neutrino program at Baksan Neutrino Observatory
12:30	13:00	25+5	Wolfgang Szwilius	Global crustal thickness and velocity structure from geostatistical analysis of seismic data
13:00	14:00	60		lunch
Chair: Ingrida Semeneč				
14:00	14:30	25+5	Javier Fullea	WINTERC-grav: a new upper mantle thermochemical model constrained coupled geophysical-petrological inversion of seismic waveforms, heat flow, surface elevation and gravity satellite data
14:30	15:00	25+5	Zhiwei Li	JULOC: A local 3-D high-resolution crustal model in South China for forecasting geoneutrino measurements at JUNO
15:00	15:30	25+5	Mirko Reguzzoni	GIGJ: a crustal gravity model of the Guangdong Province for predicting the geoneutrino signal at the JUNO experiment
15:30	16:00	30		coffee break
Chair: Zhe Wang				
16:00	16:25	20+5	Bill McDonough	Reference models for lithospheric geoneutrino signal
16:25	16:50	20+5	Laura Sammon	Geoneutrino contributions from the deep lithosphere
16:50	17:15	20+5	Valery Sinev	Terrestrial 40K geoneutrinos and solar CNO neutrinos
17:15	18:00	45		discussion
20:00	~midnight			conference dinner (off-site, information will be provided)

Wednesday, October 23

Chair: Virginia Strati				
9:30	10:00	25+5	Hiroko Watanabe	Antineutrino directional measurement
10:00	10:30	25+5	Chris Davies	Dynamics and energetics of Earth's core
10:30	11:00	25+5	Zhe Wang	Hunting the K40 geoneutrinos
11:00	11:30	30		coffee break
Chair: Yury Malyskin				
11:30	12:00	25+5	Andrea Serafini	Detecting 40K geoneutrinos with LiquidO
12:00	12:30	25+5	Bedřich Roskovec	Quantifying geochemical anomalies in the mantle using geoneutrinos
12:30	13:00	30		discussion and closing remarks

POSTERS (Poster session on Monday 17:30–19:30)

Sindhujha Kumaran	Analysis strategies for the updated geoneutrino measurement with Borexino
Fabio Mantovani	Geoneutrino measurements with Borexino: implications for geoscience
Vojtěch Patočka	Heat flow from the core and the thermal evolution of the Earth
Virginia Strati	Effect of the overburden on the geoneutrino signal at SNO+
V. Van Elewycyk	Probing the Earth core composition with neutrino oscillation tomography
Hiroko Watanabe	Ocean Bottom Detector: toward direct measurement of mantle geoneutrinos
Ya Xu	Crustal density structure of South China and South China Sea

MEETING VENUE Room 319 (3rd floor)

Address: Novotného lávka 5, Prague 1 (GPS: 50°05'07.5"N 14°24'47.8"E or 50.085417, 14.413278)

Google map: <https://goo.gl/maps/qLk3uQXWfDTg9Lvj7>

Mapy.cz: <https://mapy.cz/s/26TDV> (near Charles Bridge, Old Town side of the river)

Metro station: "Staroměstská" (line A – green), Tram stop: "Karlovy lázně" or "Staroměstská" (lines 2, 13, 17, 18)

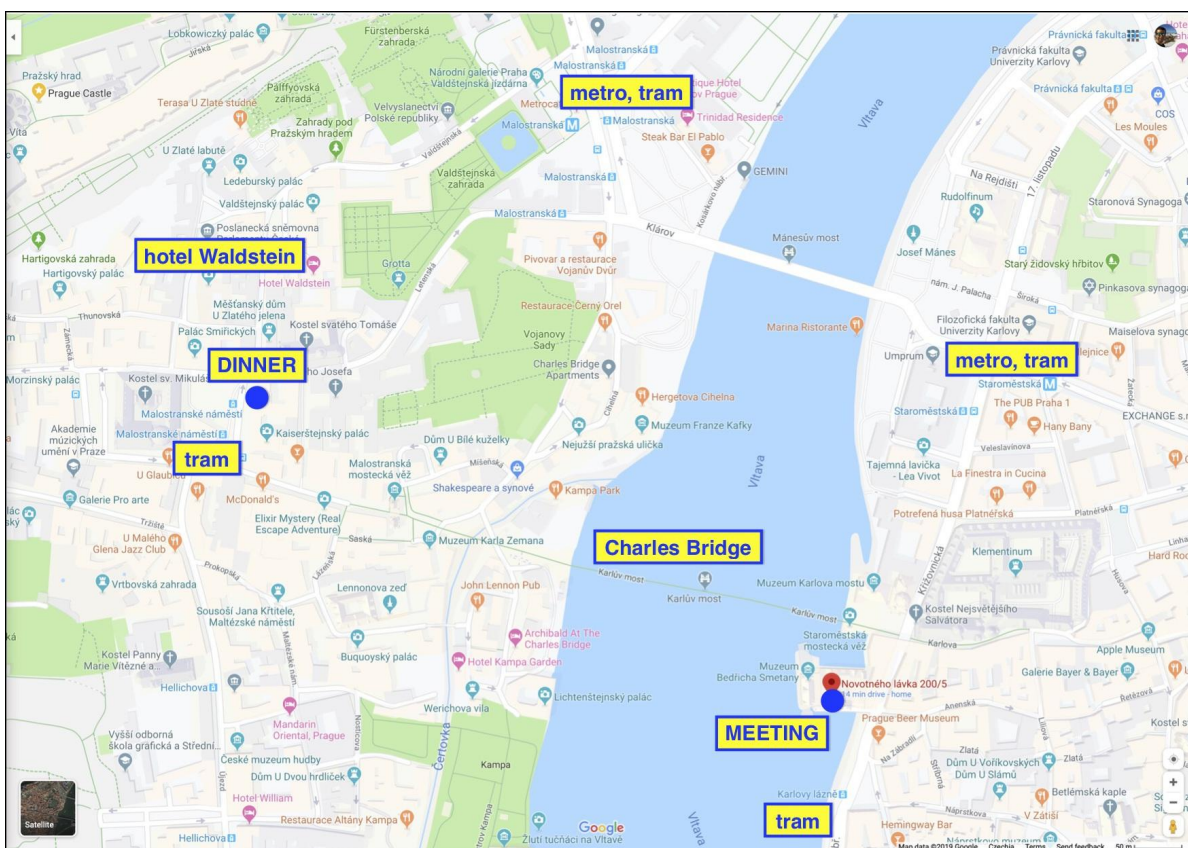
DINNER VENUE Tuesday 8 PM – midnight <http://www.malostranska-beseda.cz/en>

Restaurant name: "Malostranská Beseda", gallery space (upstairs)

Address: Malostranské náměstí 21, Praha 1 (GPS: 50°05'18.0"N 14°24'17.7"E or 50.088343, 14.404903)

Google map: <https://goo.gl/maps/aQYBQc3qtMRzFGz98>

Mapy.cz: <https://en.mapy.cz/s/coludolaju> (across the Charles Bridge, ~15 min walk from meeting venue)



PRACTICAL INFORMATION

Public transit: metro (underground), trams, buses, trains

<http://www.dpp.cz/en/transport-around-prague/>

From the airport downtown (~35 mins): Take bus 119 to terminus at metro station "Nádraží Veveřlavín". From there take metro (line A = green, the only one there) to either of these stations: "Dejvická" for hotel Meda; "Malostranská" for hotel Waldstein; "Staroměstská" for conference venue.

Single ride fare is a 32 Kč ticket. Tickets can be purchased at the airport using a ticket machine (at bus stop) or at the public transportation desk, also from the 119 bus driver. Card payments accepted. A 3-day ticket for 310 Kč can be purchased at the transportation desk only.

Currency: "česká koruna" or Czech crown or Kč or CZK

EUR 1 = 26 Kč, USD 1 = 24 Kč, CAD 1 = 18 Kč, JPY 100 = 22 Kč, CNY 1 = 3.3 Kč

CZK 100 = EUR 3.9 = USD 4.2 = CAD 5.6 = JPY 456 = CNY 30

Current time: GMT+2 (DST ends on Oct 27 -> 1 hour back)

Electrical outlets: 230 V, 50 Hz standard, type E socket, also works with plug C (as elsewhere in Europe)

