

Welcome!



Bringing together European (and beyond) students

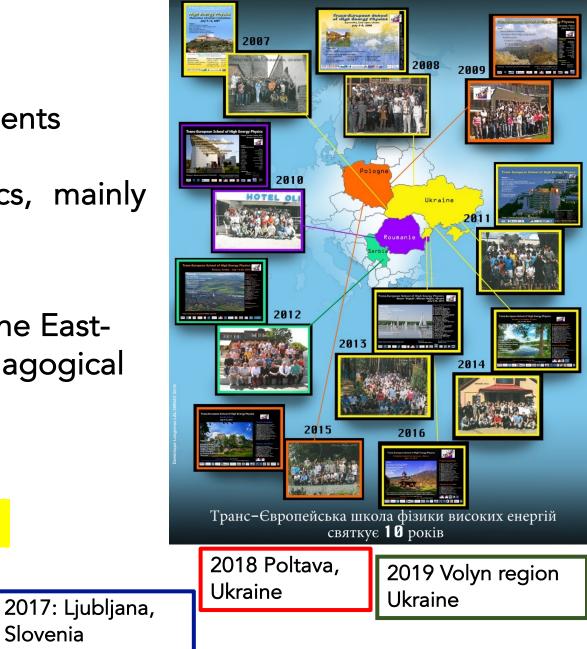
Teaching various aspects of high-energy physics, mainly focusing on experimental particle physics

...with the aim of reinforcing and encouraging the East-West Europe (and beyond...) scientific and pedagogical links.

Slovenia

After 2009 and 2015: 2023 back to Poland !

La «Trans-European School of High Energy Physics » fête ses 10 ans





LECTURES

SM	Alexander Korchin
SM problems gauge and Flavours & BSM	ideas Stéphane Monteil
Detector Instrumentation	Sergey Barsuk Clara Gaspar Maxim Titov
Statistics	Stéphane Monteil
Feynman Graphs	Sebastian Sapeta
Exercises in data analysis (hands-on)	Rafał Staszewski HANDS ON SESSIONS



FORMER STUDENTS PRESENTATIONS

Szymon Kukulak Rafal Maciula Klaudia Maj Iwona Sputowska Valeriia Zhovkovska

TOPICAL HIGHLIGHTSNeutrinos PhysicsMarie-Helene SchuneCabibbo & Flavours emergenceAchille StocchiCosmologiePierre AstierQCD / DiffractionWolfgang Schafer

SEMINARS

Mariola Kłusek-Gawenda : photon-photon fusion in heavy-ion collisions Antoni Marcinek : Electromagnetic effects on charge particles Alex Fomin : the PERLE project

	R /	Saturday July 15	Sunday July 16	Monday July 17	Tuesday July 18	Wednesday July 19	Thursday July 20	Friday July 21
	09:00- 10:00	Welcome	SM3	Detectors2	Topical Highlight1	Topical Highlight2	Topical Highlight3	Topical Highlight4
	10:00- 11:00	SM1	SM4	Detectors3	Topical Highlight1	Topical Highlight2	Topical Highlight3	Topical Highlight4
	11:00- 11:30	Break	Break	Break	Break	Break	Break	Break
	11:30- 12:30	SM2	BSM1	Statistic1	Topical Highlight1	Topical Highlight2	Topical Highlight3	Topical Highlight4
	12:30- 13:30	Detectors1	BSM2	Statistic2	Detectors4	Seminar1	Seminar2	Students presentation
	13:30- 15:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
	15:00- 16:00	Hands-on Team1 / profs Team2	Hands-on Team2 / profs Team1	Students work with profs	Detectors5		Seminar3	Students
	16:00- 17:00	Hands-on Team1 / profs Team2	Hands-on Team2 /profs Team1	Students work with profs	Conference by former students	Excursion	Feynman Graph1	presentation until 17:30
	17:00- 17:30	Break	Break	Break	Break		Break	Break
	17:30- 19:00	Hands-on Team2 /Students work with profs – team1	-	Football	Conference by former students		Feynman Graph2	18:30 Summary
	19:30- 20:30	Dinner	Dinner	Dinner	Dinner	School Dinner ?	Dinner	Dinner
	20:00- 22:00		CERN : Past, Present and Future by C. Schaffer		Discussions with former students			





14th Trans-European School of High Energy Physics TES Bezmiechowa Górna, Poland July 14-22, 2023 **Experimental Particle Physics** Topical seminars Organizing committee Standard Model and Beyond Practical sessions S. Barsuk (CNRS/PSaclay/IJCLab, France) Statistical Methods Discussion sessions C. Bourge (CNRS/PSaclay/IJCLab, France Detector Instrumentation Students' conference M. Kłusek-Gawenda (IFJ PAN, Poland) M. Łuszczak (Univ. Rzeszów, Poland) S. Monteil (CNRS/LPC-Clermont, France) M.-H. Schune (CNRS/PSaclay/IJCLab, France) R. Staszewski (IFJ PAN, Poland) A. Stocchi (CNRS/PSaclay/IJCLab, France Contact: teshep23@iiclab.in2p3.fr TES HEP committee F. Beaudette (CNRS/LLR, France) O. Bezshvyko (TSNUK, Ukraine) G. Calderini (CNRS/LPNHE, France) S. Fomin (NSC KIPT, Ukraine) L.O. Golinka-Bezshyyko (TSNUK, Ukraine) B. Grynyov (ISMA, Ukraine) A. Yu. Korchin (NSC KIPT, Ukraine) . Ledroit (CNRS/LPSC, Univ. Grenoble, France) T. Lesiak (IFJ PAN, Poland) J. Mnich (CERN, Switzerland) N.F. Shul'ga (NSC KIPT, Ukraine) V. Sharyy (CEA/IRFU, France) M. Titov (CEA/IRFU, France) A. Zolotarova (CEA/IRFU, France) **Deadline for applications**: May 31, 2023 teschool23.ijclab.in2p3.fr LICITS UNIVERSITE LECT CONS UNIVERSITE 😤 🎲 💽 🎯 🚇 MUPECC 🛞

Please look at the list of professor/students groups

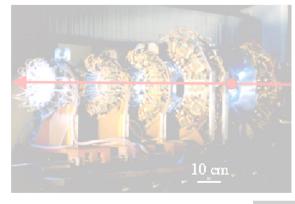
And the lists of groups for practical sessions

On the table: a shopping list (not going every day!) is something is urgently needed . Write your name and what is needed

Practical things

Please check the announcement in the room Coffee breaks are one floor up

Please do not use your laptop during the lectures



Prizes

