

4th International Particle Physics Masterclasses 2008 in Slovakia



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in collaboration with

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and J. Vanko

- 7 universities from Slovakia
- Slovak-Caltech EVO team
- Global evaluation of MC 2007



Ministry of Education

MC 2008 in Slovakia

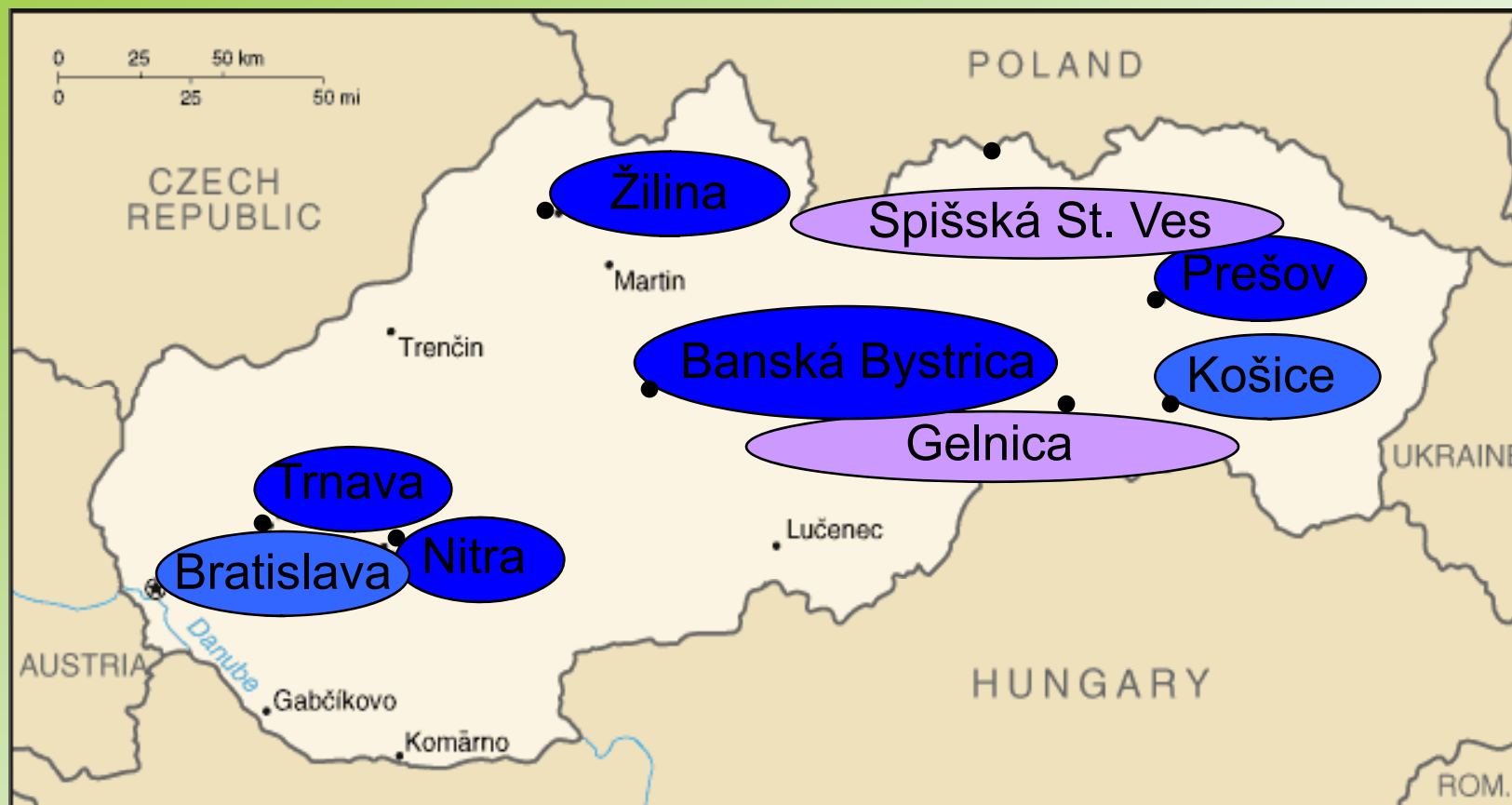
295 students and 21 teachers from 44 high schools



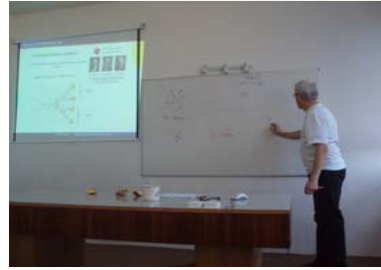
International MC



Regional MC



International MC in Slovakia



	BA	TT	NR	ZA	BB	PO	KE	Total
students	25	25	14	40	28	30	48	210
teachers	0	4	2	8	3	2	0	19
schools	9	4	2	13	7	1	6	42
students at EVO	10	25	14	39	9	15	39	151

151 students remained for videoconference 72 %

T-shirts, cloud chamber

MC seminars

MC projects

Bus trip to CERN



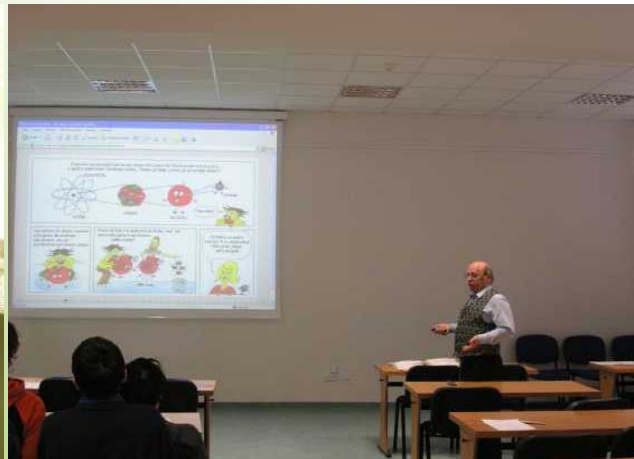
T. Blazek

Neutrino Oscillations

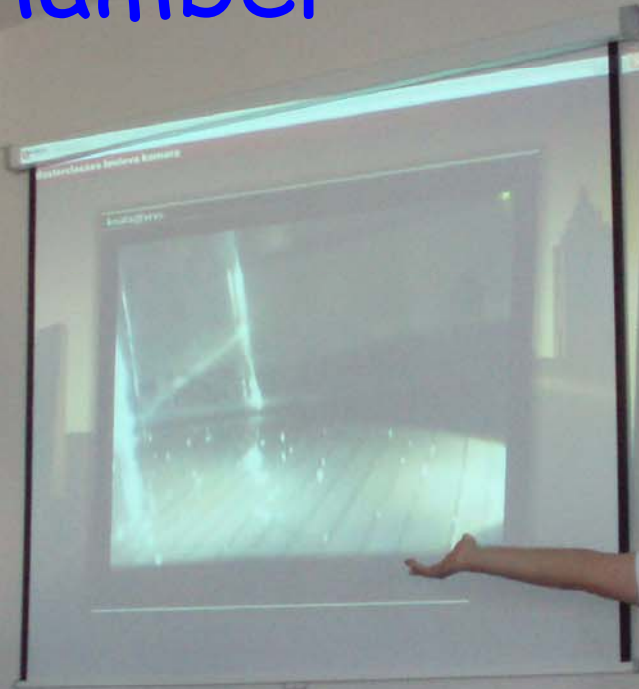


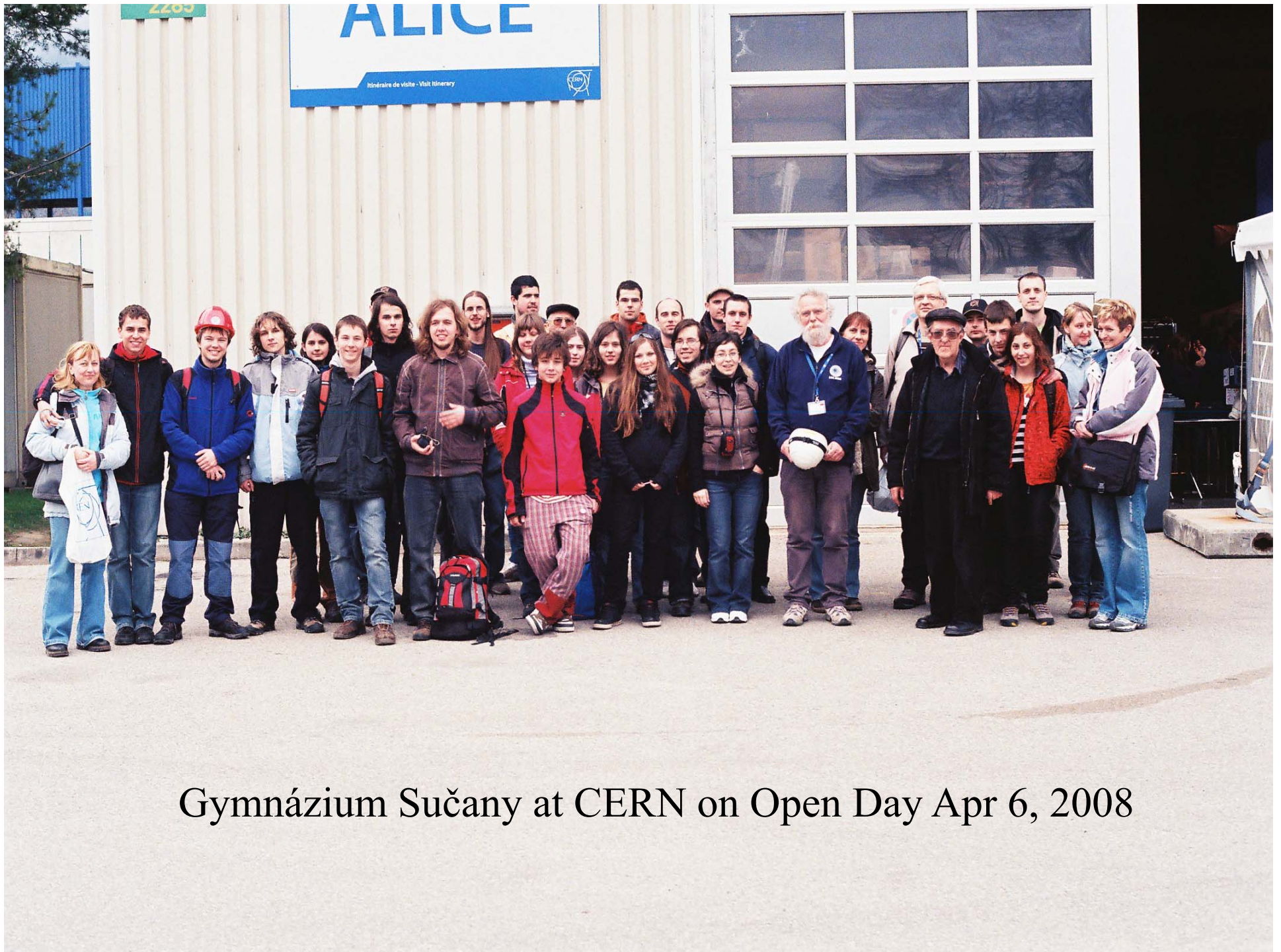
K. Safarik

Mass in Special Theory of Relativity



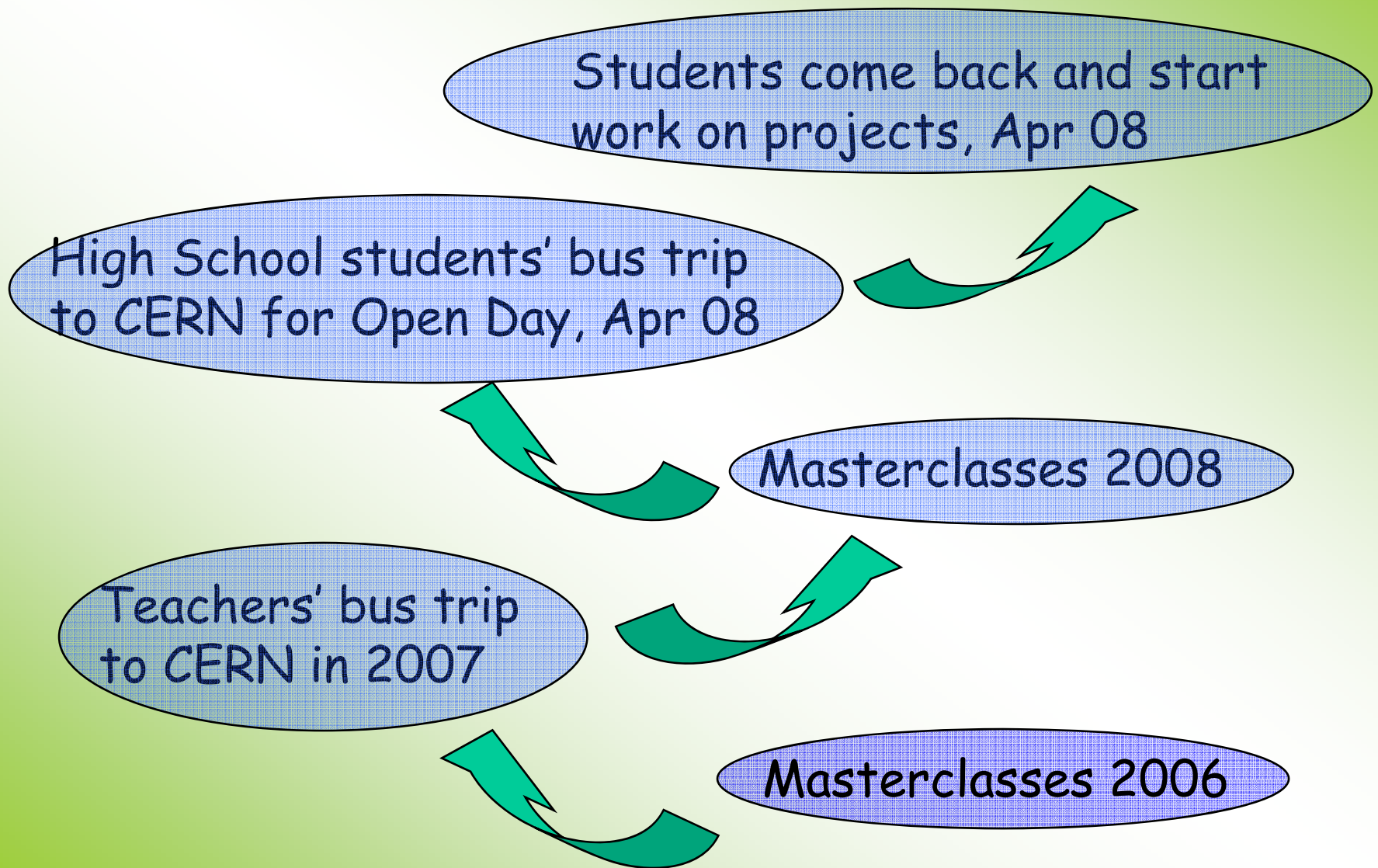
Cloud Chamber





Gymnázium Sučany at CERN on Open Day Apr 6, 2008

Outreach Dynamics



Regional Masterclasses

85 students in two cities

Jan 30, 2008 Gelnica
MASTERCLASSES



Gymnázium Gelnica

štvorročné a osemročné gymnázium so zameraním na informatiku a cudzie jazyky



Jan 31, 2008

Spišská Stará Ves
MASTERCLASSES



Portable server



Global Evaluation MC 2007

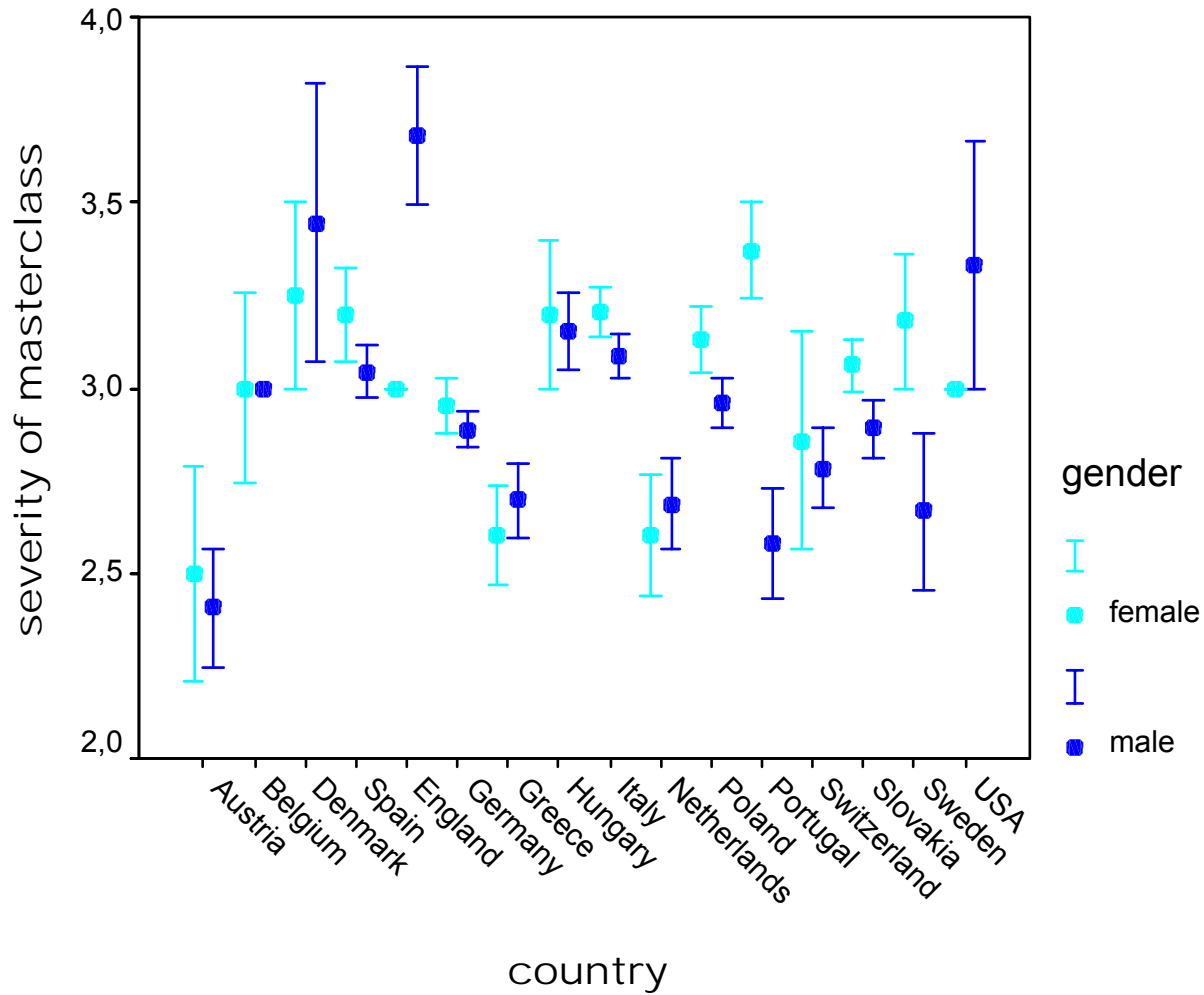
(Gabriela Tarjanyiova, U of Zilina)

- 1482 questionnaires
- data typed in by hand into SPSS (USA + Slovakia)

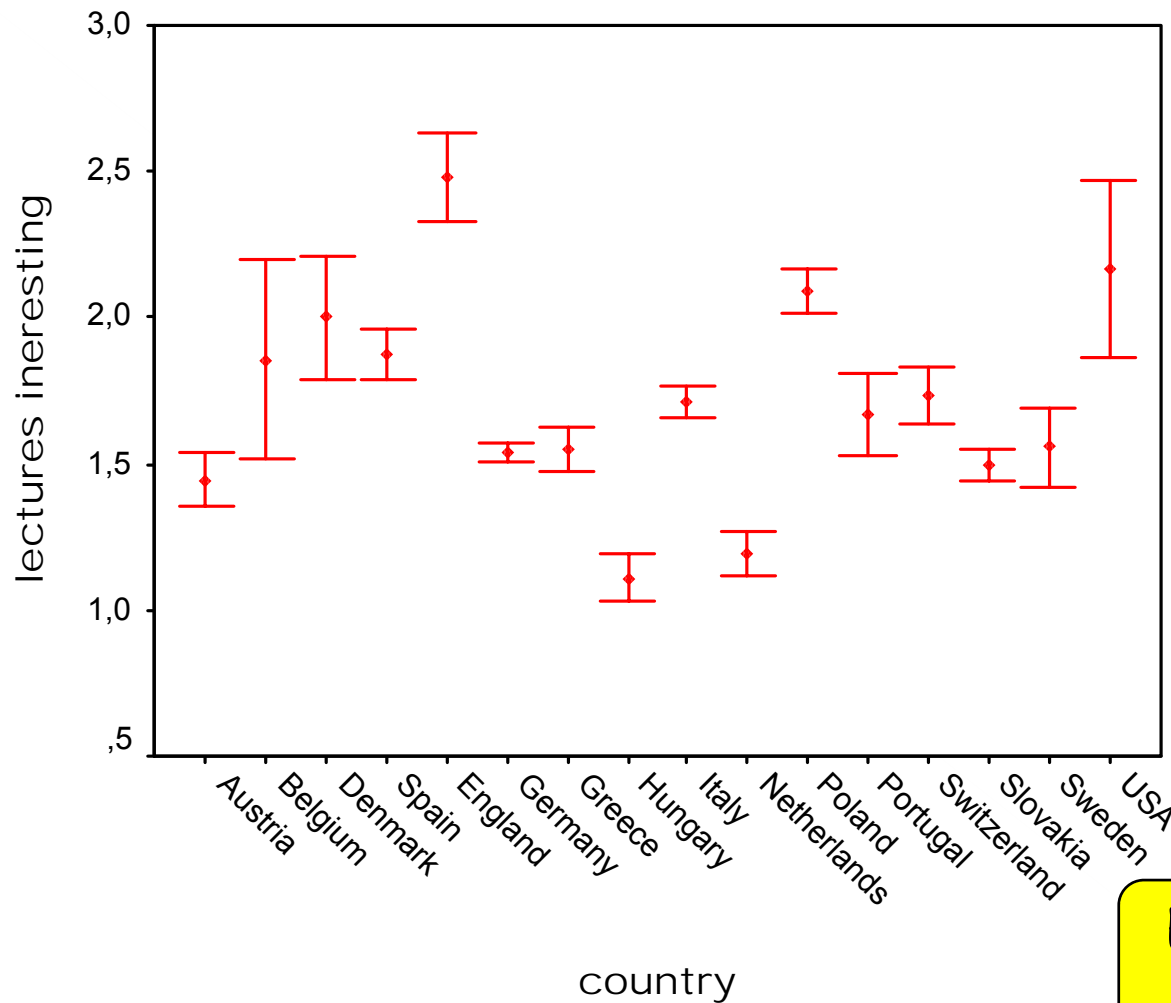
- GER 343
- ITA 259
- POL 189
- SVK 181
- GRE 127
- ESP 111
- ...
- USA 6



Severity of Masterclasses



Lectures



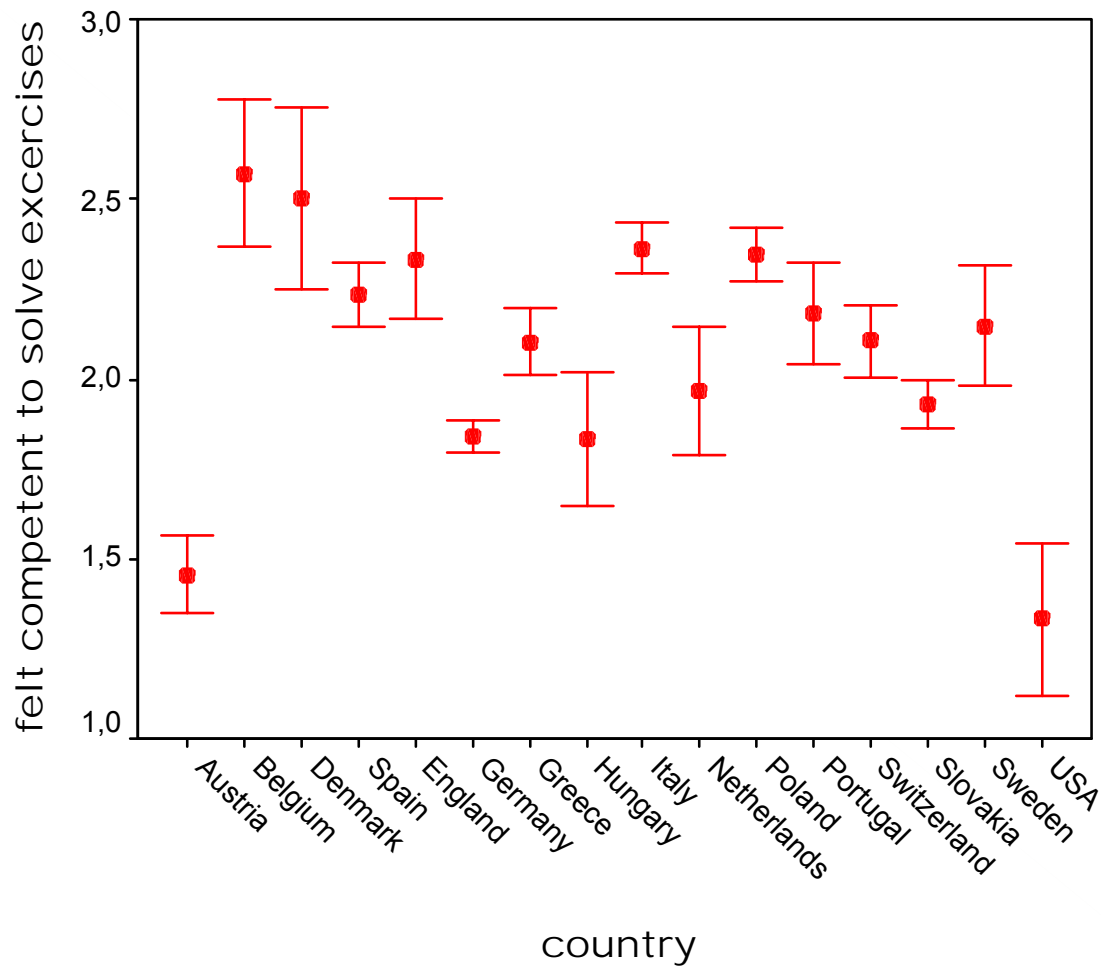
Just perfect !
Interesting, easy
to understand

Great topics !

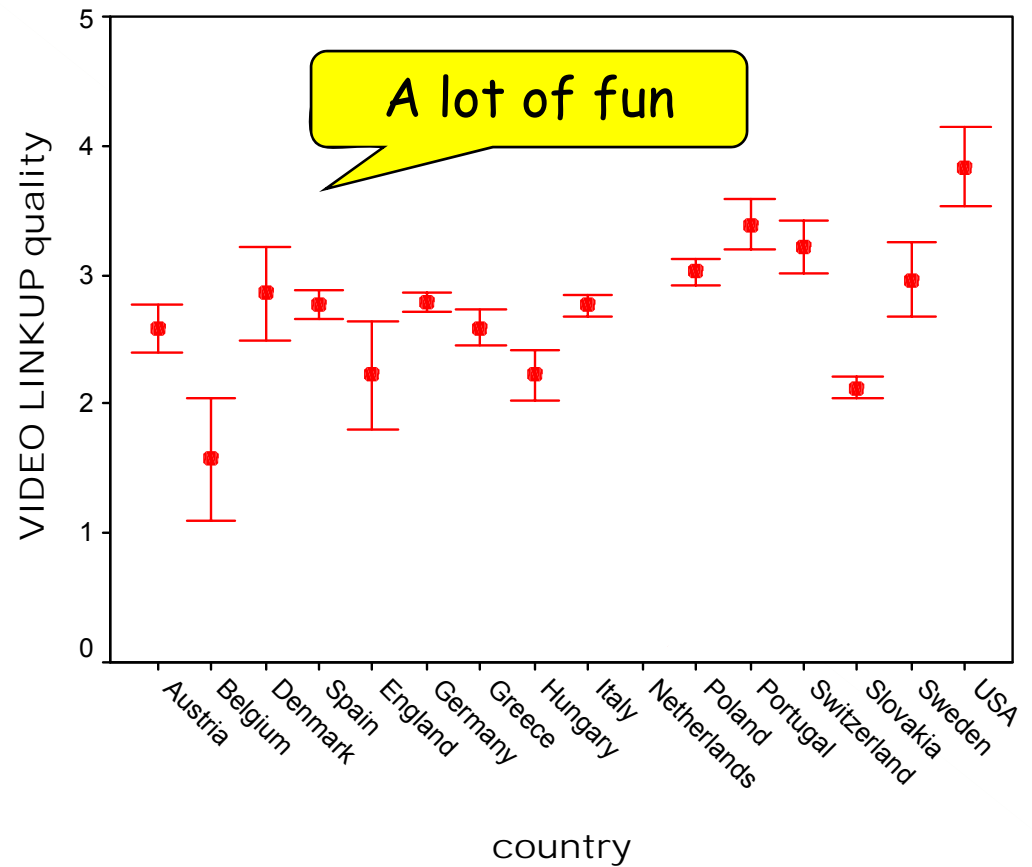
Excellent. I wish we had
more than two !

Very good. Everybody must have
understood this

Did they feel competent to do exercise ?



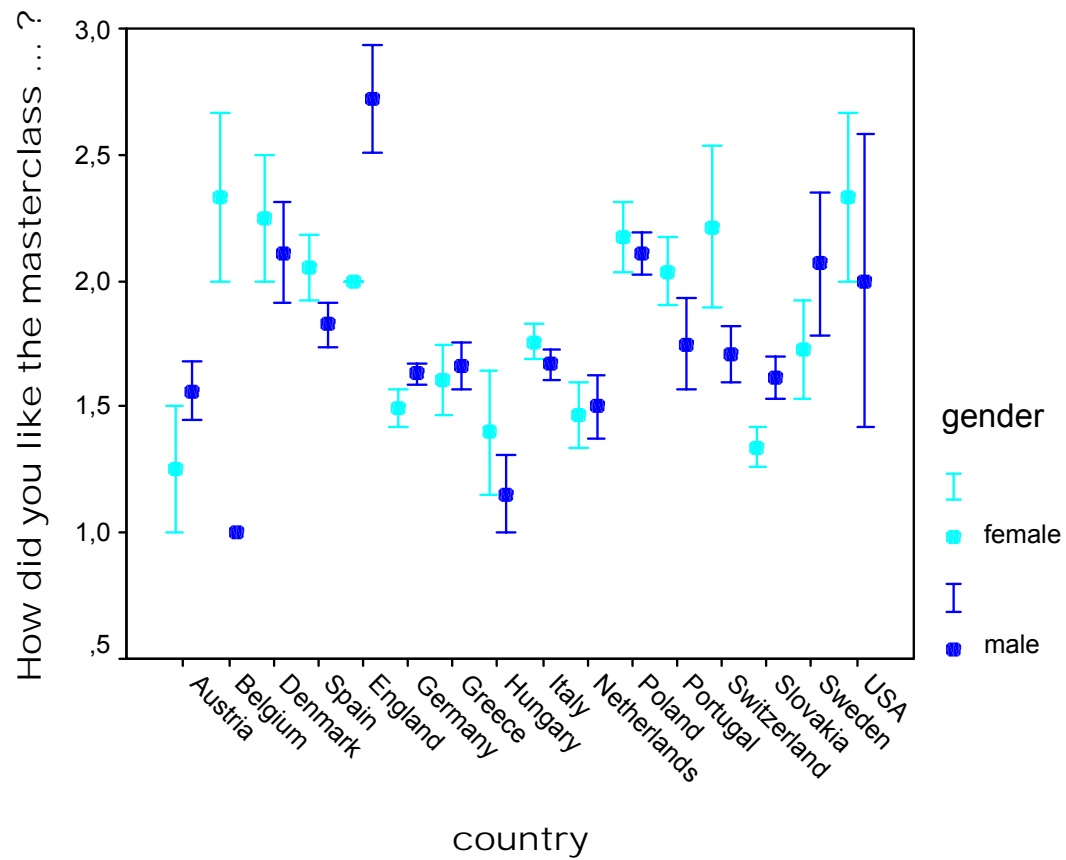
Video-conference



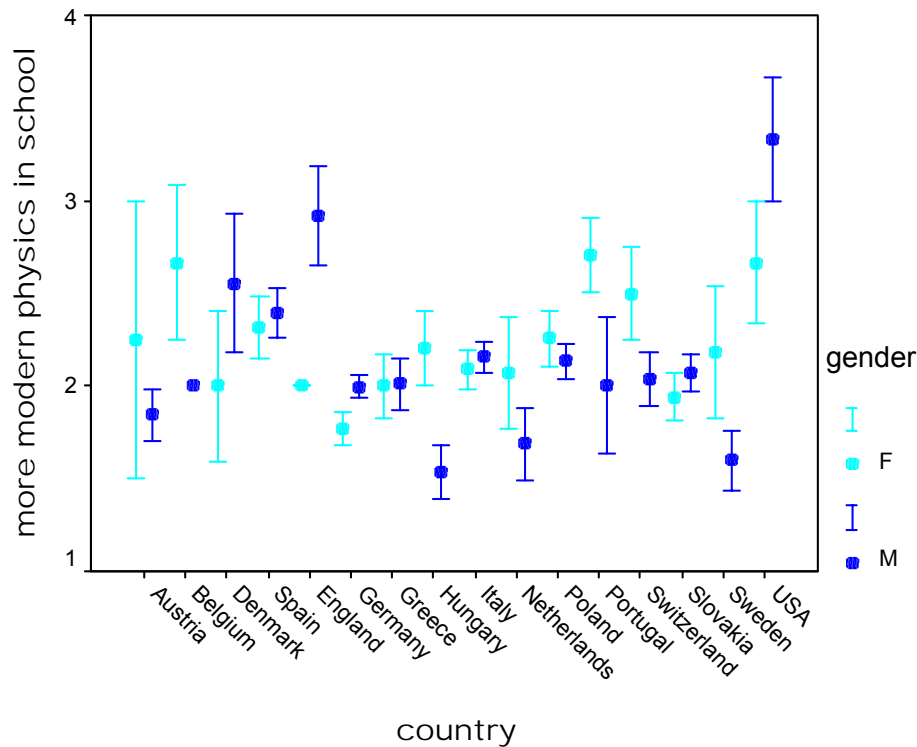
Very good ! Interesting to see the students around the world and their results

Pretty moderators 😊

Did they like it ?



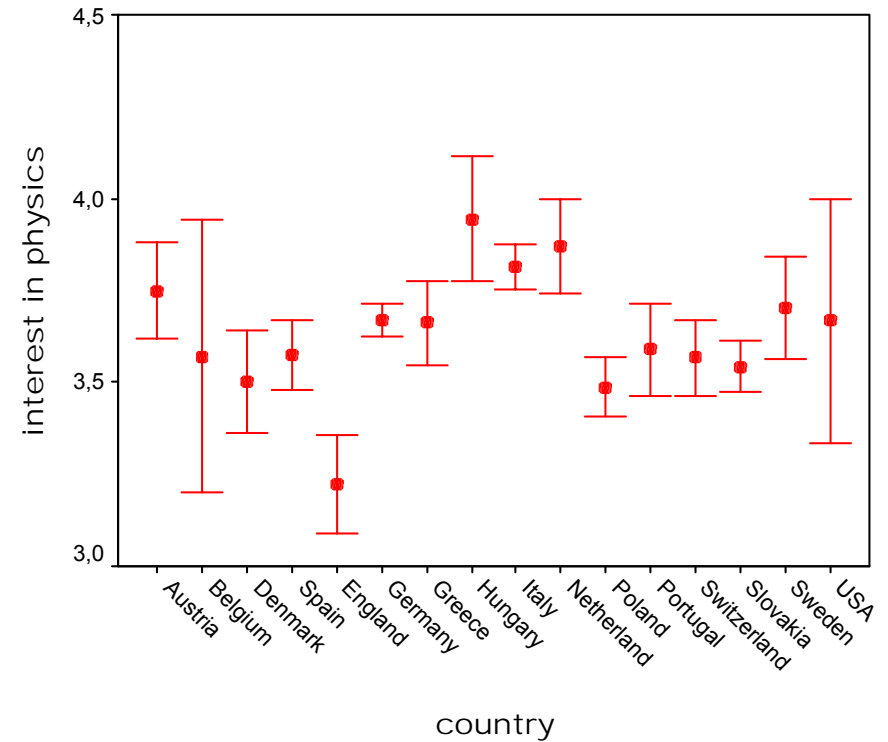
What impact Masterclasses had on them



We were part of the real research team !

Lectors were ready to help

We faced real data from CERN !



What did you like most ?

Cloud chamber. No question about it

Everything. I will not regret that I came here

Lunch

Everything was super !

I could meet people who like physics

Cloud chamber.

Lunch was the best !

Cloud chamber was excellent.
It made my day

I liked everything very much,
perfect organization,
interesting physics

