

Physics in Collision

2012

Štrbské Pleso

Slovakia

12 - 15 September 2012

Organizing Institutes

Institute of Experimental Physics

Slovak Academy of Sciences, Košice

Institute of Physics, Faculty of Science,

Pavol Jozef šafárik University, Košice

Faculty of Mathematics, Physics and Informatics,

Comenius University, Bratislava

Institute of Physics

Slovak Academy of Sciences, Bratislava

Local Organizing Committee:

Dušan Bruncko (Slovak Acad. Sci., Košice) – chair

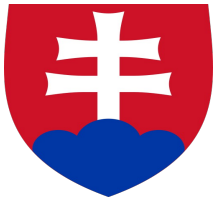
Pavol Stríženec (Slovak Acad. Sci., Košice)

Jozef Urbán (Šafárik University, Košice) -co-chair

Stanislav Tokár (Comenius University, Bratislava)

Stanislav Dubnička (Slovak Acad. Sci., Bratislava)

Slovakia





PL

CZ

UA

H

A



Štrbské Pleso 1346 m a. s. l.

POLAND

REGIÓN VYSOKÉ TATRY THE HIGH TATRAS REGION





General view on Štrbské pleso



Hotel Patria, Štrbské Pleso, Slovakia





Tri studničky 

Tri studničky 

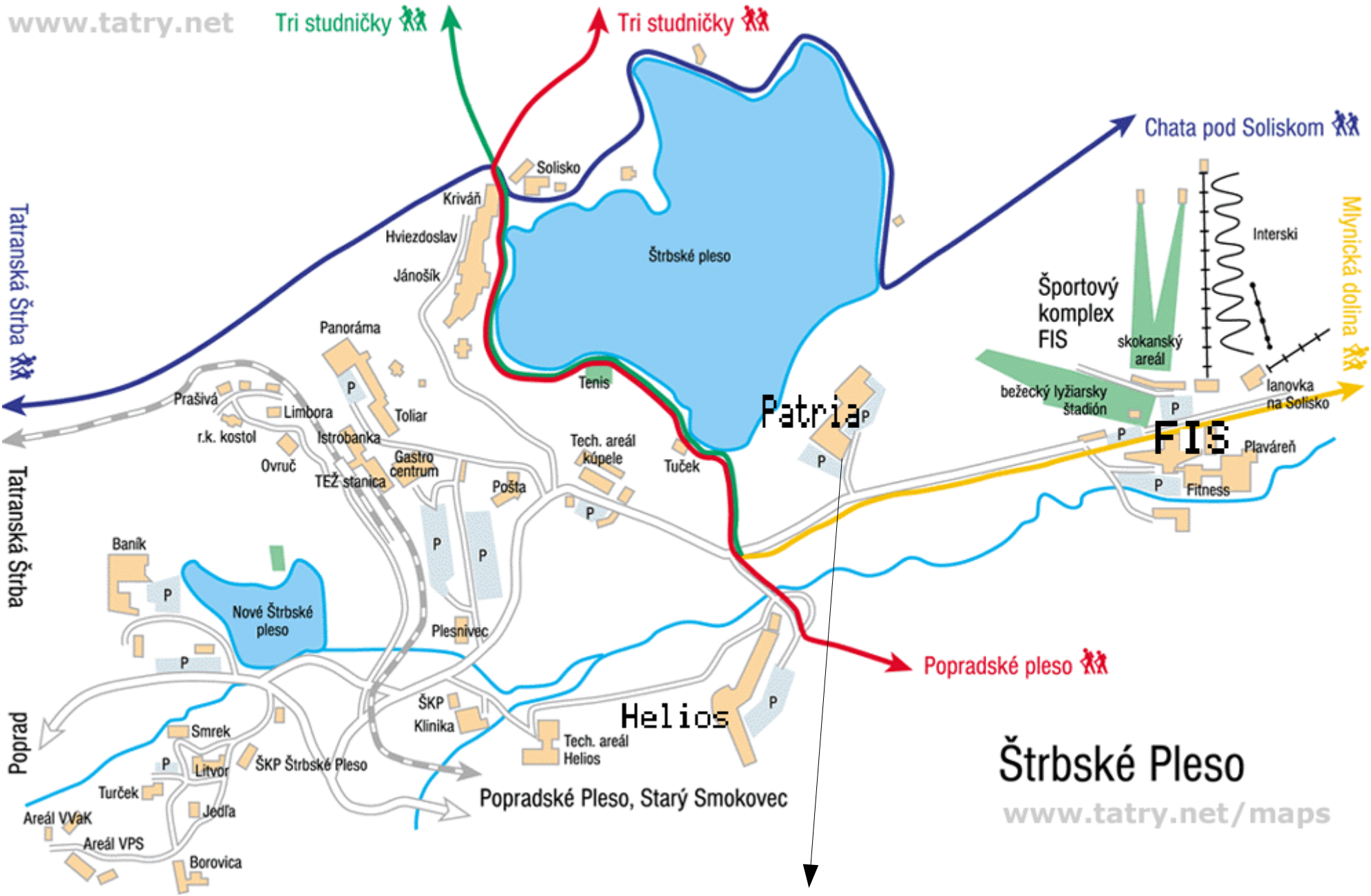
Chata pod Soliskom 

Tatranská Štrba 

Tatranská Štrba

Poprad

Mlynická doina 



Patria

Helios

FIS

Štrbské Pleso

www.tatry.net/maps

Popradské Pleso, Starý Smokovec

Popradské pleso 

Conference here



KONGRESOVÁ
HALA





Travelling to Štrbské Pleso

The international airports:

- Košice ~ 120 km; from Vienna, Prague
- Bratislava ~ 300 km; Barcelona, London, Paris, Amsterdam, Rome -> 23 destinations
- Vienna ~ 370 km; more than 60 destinations
- Prague ~ 600 km; Košice, Poprad,...
- Poprad ~ 15 km; Prague only

- IC train: Bratislava/Vienna – Poprad
- Prague – Poprad
- Košice - Poprad

Financial matters

- **accommodation (breakfast included):**
expected prices for single occupancy double room in 3 - 4 star hotels between 55 and 75 EUR
cheaper accommodation for students foreseen
- **conference fee (including welcome reception, conference dinner, lunches, excursion, proceedings) about 300 EUR**
- **support for students foreseen**
- **help with transport from/to airport (railway stations) foreseen**

Backup slides

HEP Physics in Slovakia

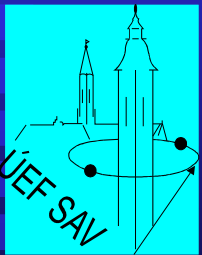
- LHC (ATLAS, ALICE)
- Tevatron (CDF)
- H1 (DESY)
- JINR Dubna
- FZ Juelich, Germany
- JEM-EUSO (astrophysics)
- phenomenology

Basic information about Slovakia:

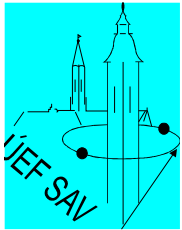
- Area: 49,035 km²
- population: 5,5 mil.
- Currency: Euro
- Form of Government: Parliamentary republic
- Languages: Slovak
- Member of EU and NATO
- Member of Schengen agreement



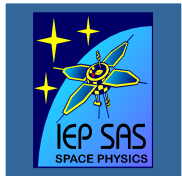
Departments of the Institute

- 
- DBP – Department of biophysics
 - DMP – Department of metal physics
 - DSP – Department of space physics
 - DM – Department of magnetism
 - DLTP – Department of low temperature physics
 - DSNP – Department of subnuclear physics
 - DTP – Department of theoretical physics
 - CG – Computing group

Correlations between CR and space weather using the data from Lomnický Štít



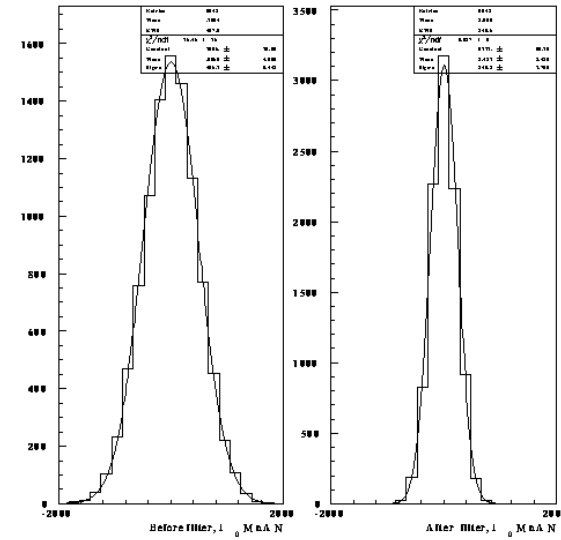
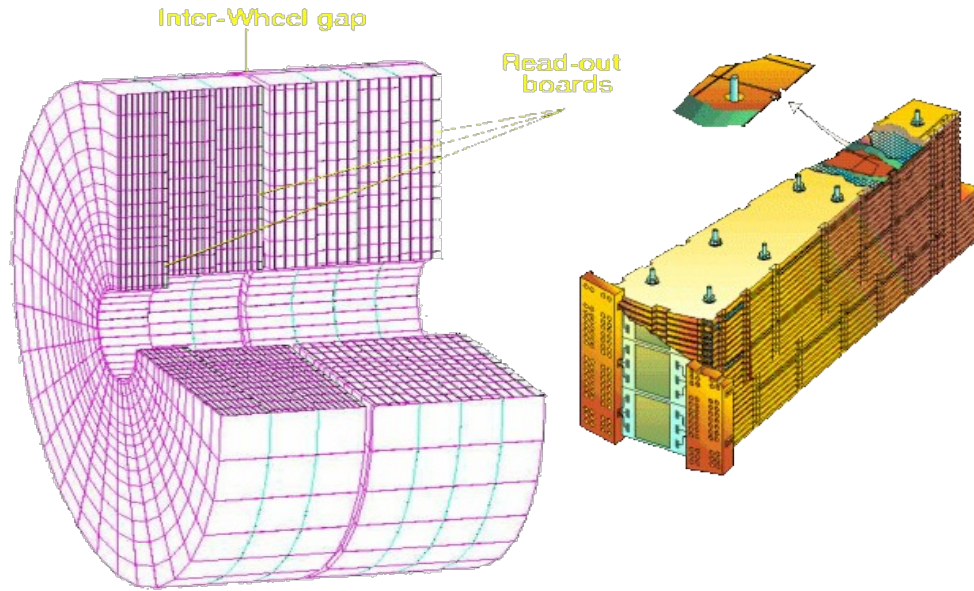
DSP



Space Sci. Rev.,
93, 153-174,2000

The ATLAS experiment

DSNP



Design and development of the calibration system

*Dowler B. et al.,
NIM A480 (2002), 94*

*Akhmadalev S. et al.,
NIM A449 (2000), 449*

The production of filter boxes, signal and HV boards for HEC



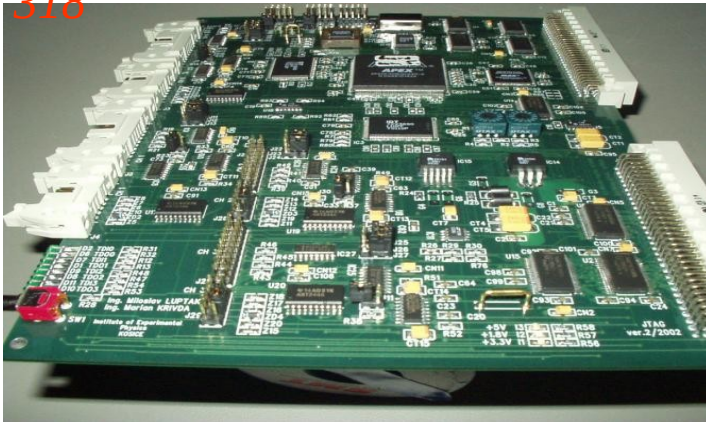
The ALICE experiment

*Morsch A., Pastirčák B.
ALICE-INT-PUB-2002-21*

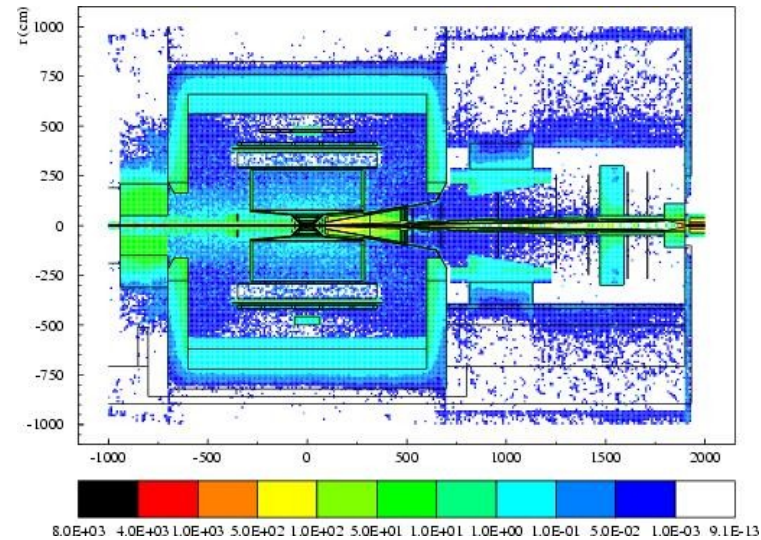
Central trigger design
SPD electronics development
The analysis of the radiation conditions

DSNP

*Bloodworth J. et al.,
Cracow 2000, Electronics for LHC experiments,
318*



jTag controller



Map of radiation levels in ALICE