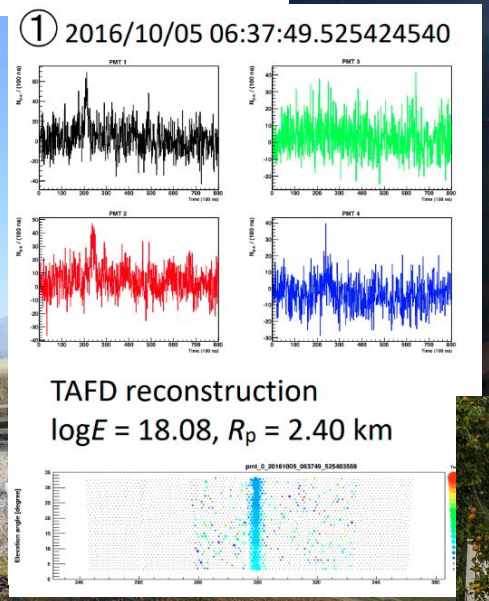
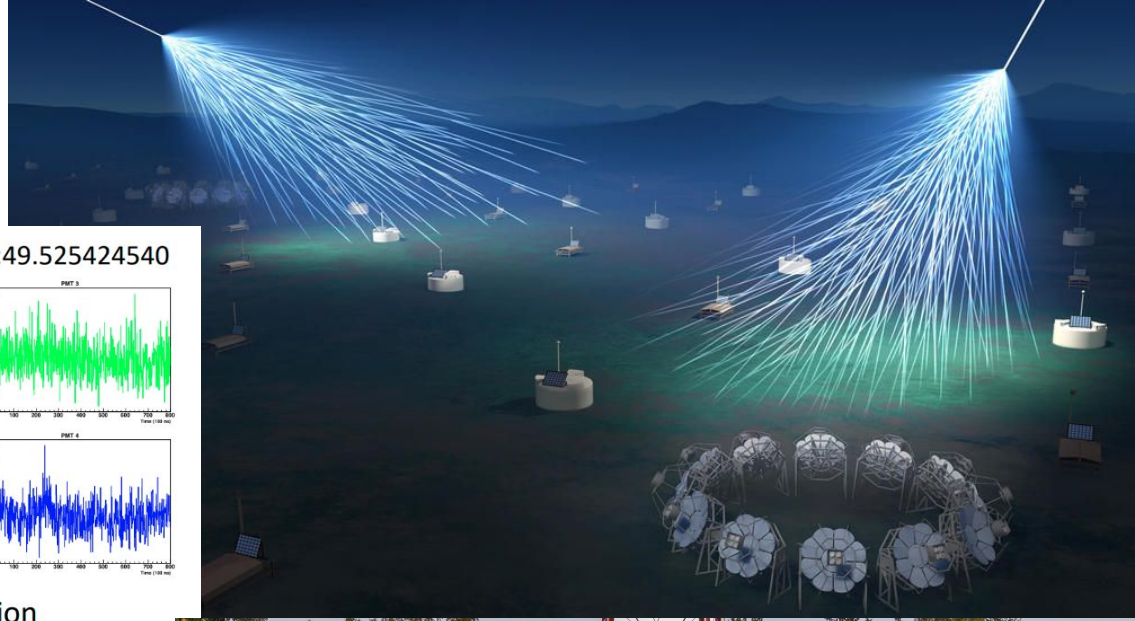
Astročásticová témata

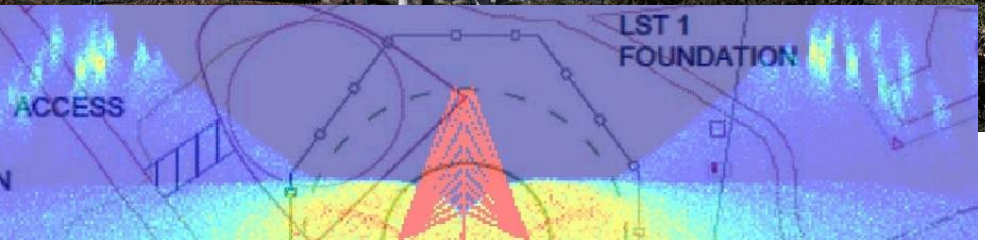
Vlastimil Jílek za Astročásticovou skupinu SLO

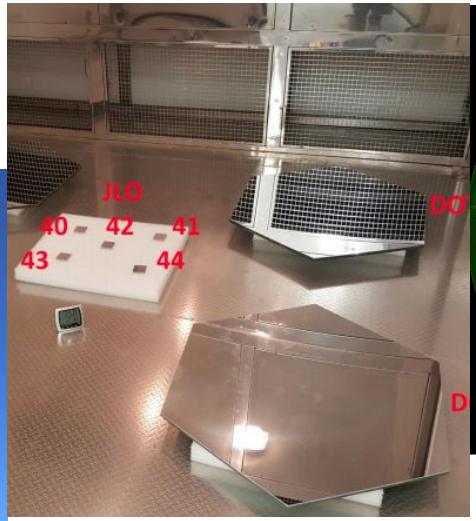
FAST

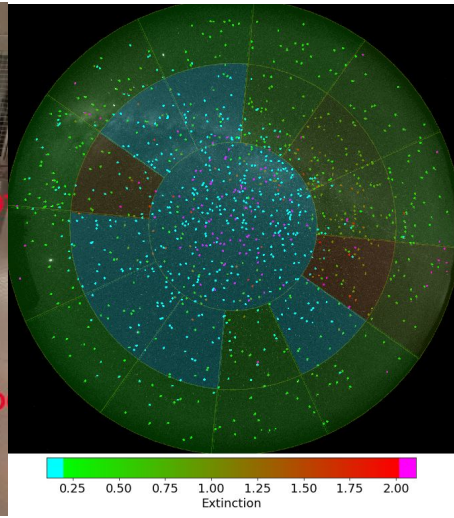

① 2016/10/05 06:37:49.525424540
PMT 1
PMT 3
PMT 2
PMT 4
TAFD reconstruction
logE = 18.08, Rp = 2.40 km



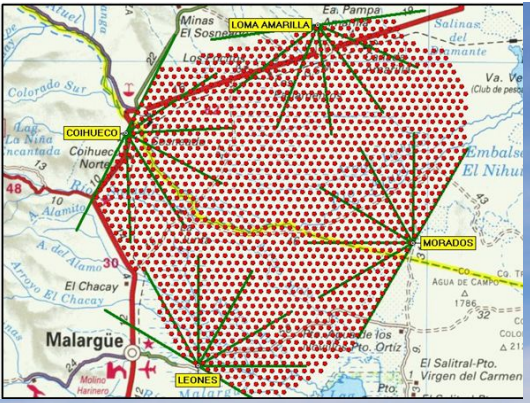
Cherenkov Telescope Array

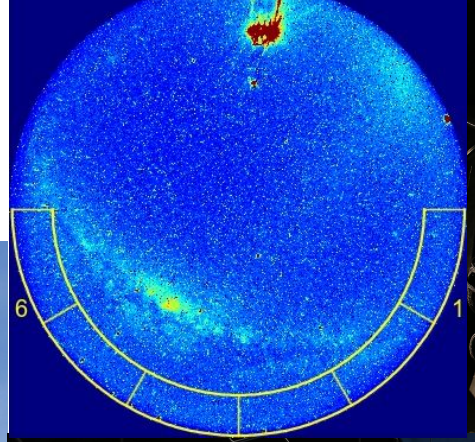


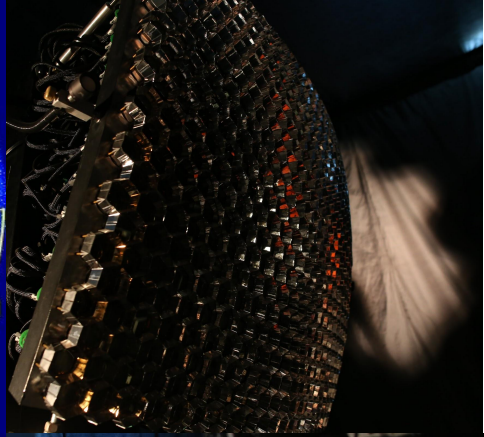




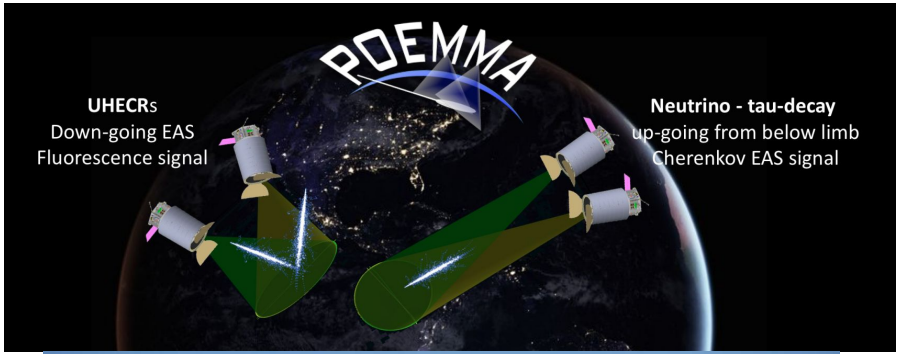
Observatoř Pierra Augera



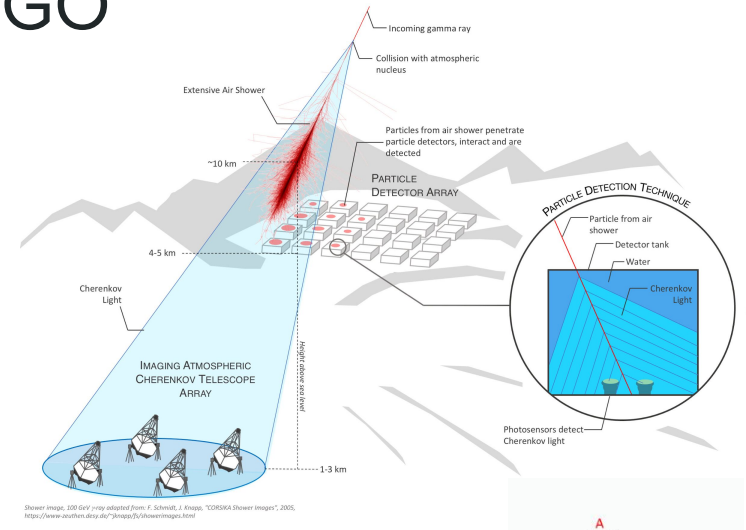


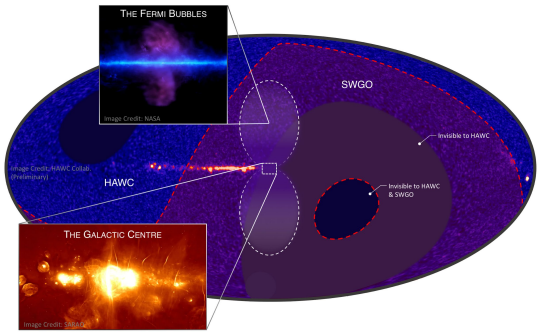


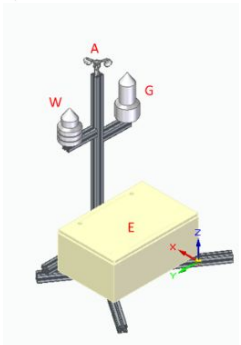
POEMMA + EUSO-SPB



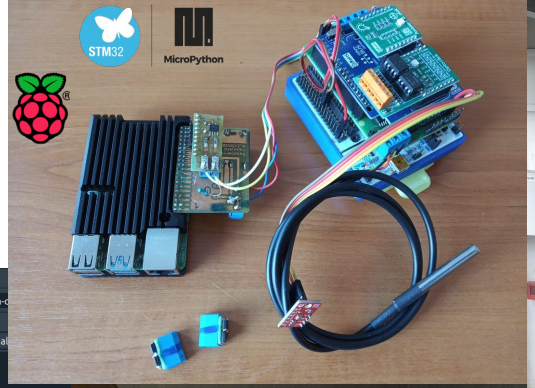
SWGO

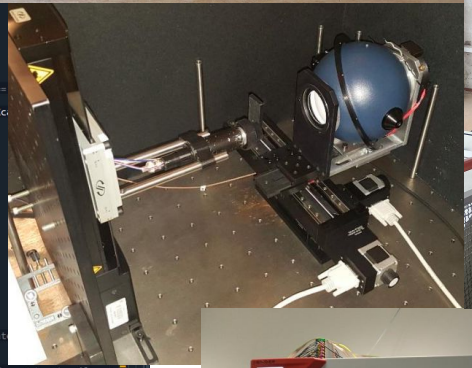


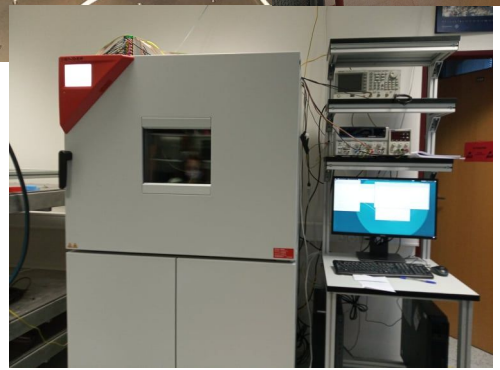


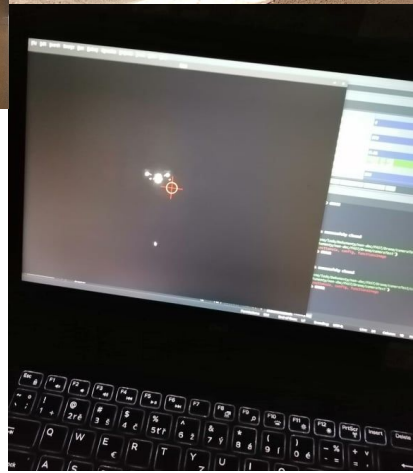


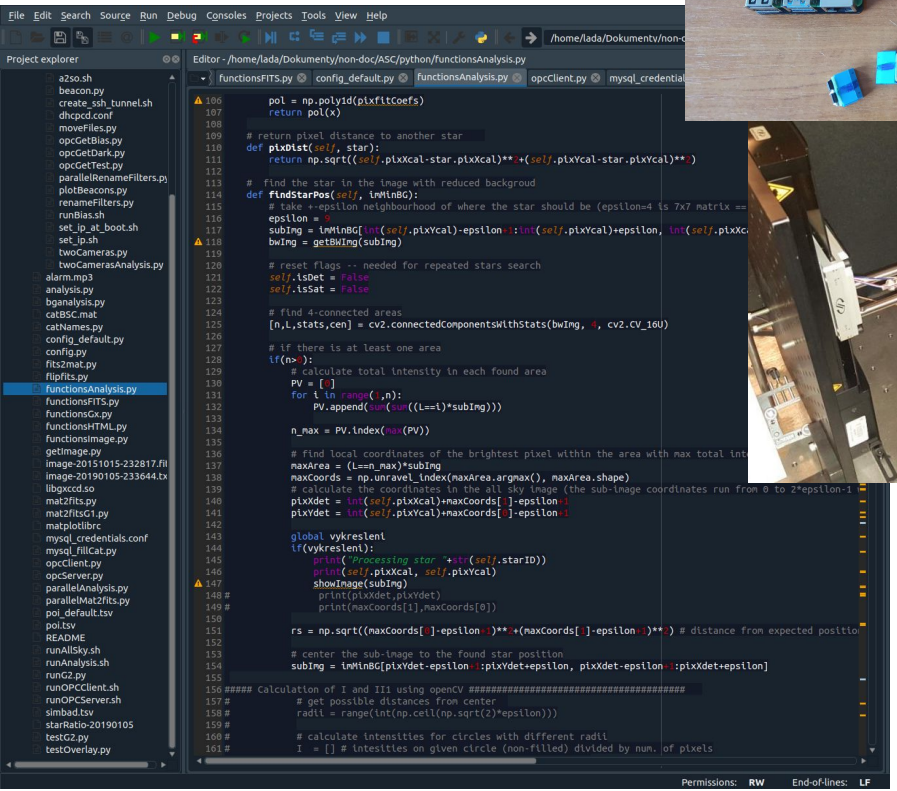
Náplň práce


STM32
MicroPython





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functionsAnalysis.py
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dhcpcd.conf
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README
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runOPCClient.sh
runOPCServer.sh
simbad.tsv
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testG2.py
testOverlay.py
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End-of-lines: LF

Témata prací

Analýza kosmického záření gama v experimentu CTA

Školitel: RNDr. Karel Černý, Ph.D., karel.cerny@upol.cz

Simulace a analýza dat z atmosférických spršek kosmického záření pro detektor FAST

Školitel: Mgr. Petr Hamal, Ph.D., hamal@fzu.cz
Konzultant: Mgr. Jiří Kvita, Ph.D., jiri.kvita@upol.cz

Kosmické detektory částic

Školitel: Mgr. Jiří Kvita, Ph.D., jiri.kvita@upol.cz
Konzultant: RNDr. Karel Černý, Ph.D., karel.cerny@upol.cz

Provoz a kalibrace prototypu astročásticového experimentu FAST

Školitel: Ing. Ladislav Chytka, Ph.D., ladislav.chytka@upol.cz
Konzultant: Mgr. Dušan Mandát, Ph.D., dusan.mandat@upol.cz

Soulad měření složení kosmického záření ultra-vysokých energií

Školitel: Ing. Jakub Vícha, Ph.D., vicha@fzu.cz
Konzultant: RNDr. Petr Trávníček, Ph.D.

Justáž a kalibrace astročásticových teleskopů pomocí dronu

Školitel: Ing. Ladislav Chytka Ph.D., ladislav.chytka@upol.cz

Děkuji za pozornost

Obrázek: www.spacetelescope.org