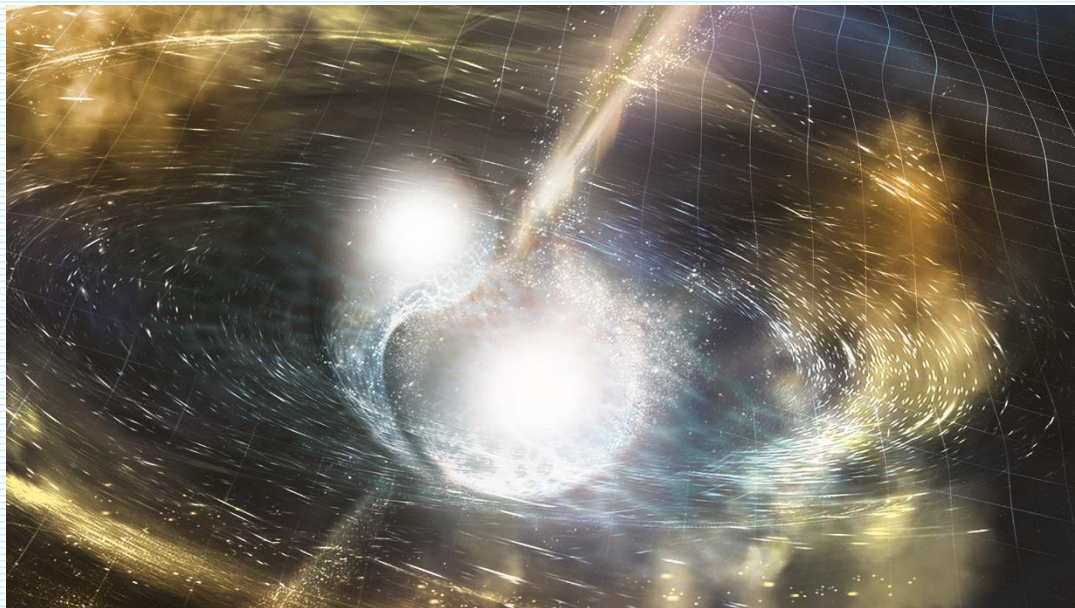


CREDO initiative in Slovakia
Fedor Šimkovic

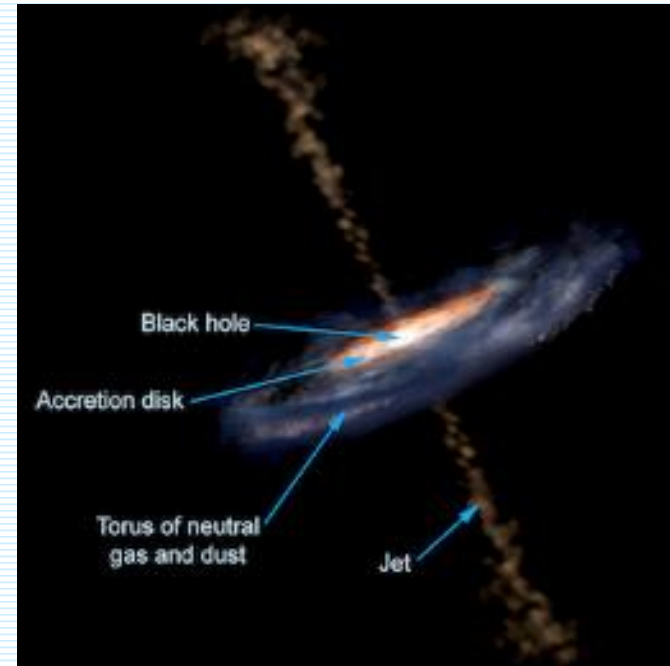
What the Hell Is Happening there

Active galactic nuclei

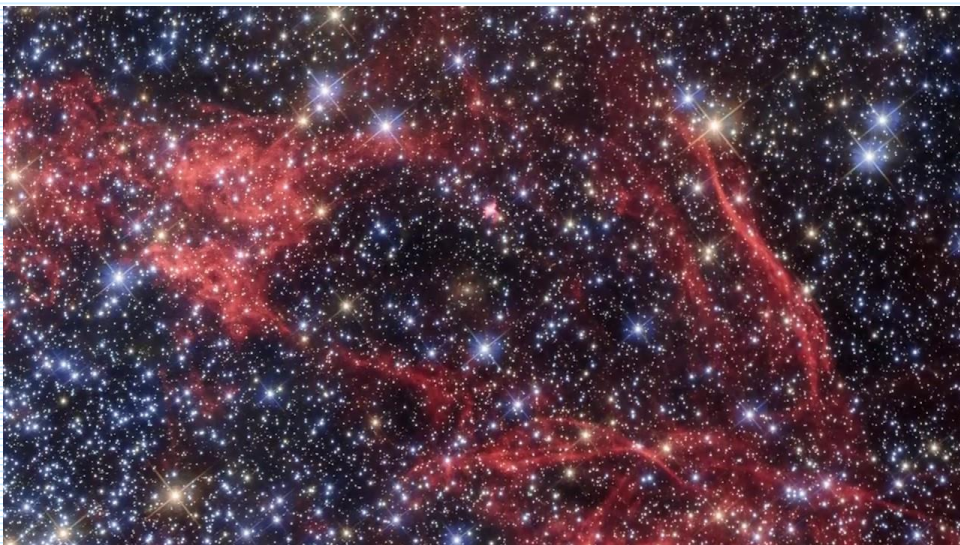
Neutron star merger



Phantastic

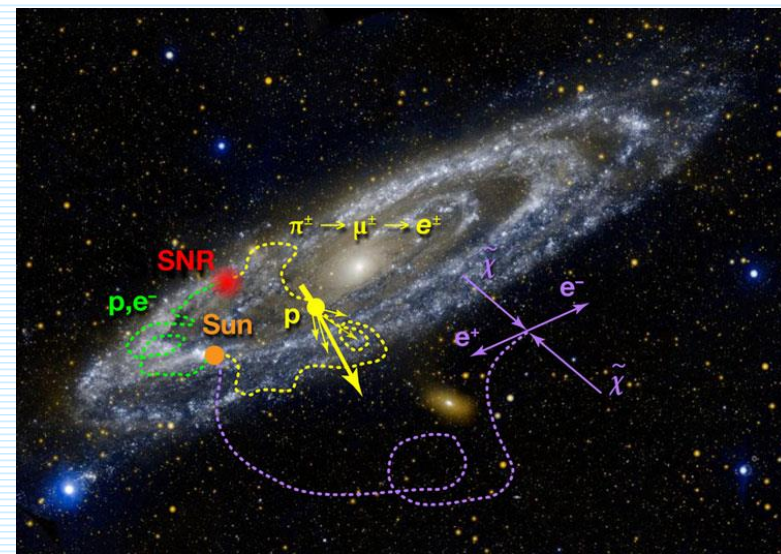


Supernova explosion



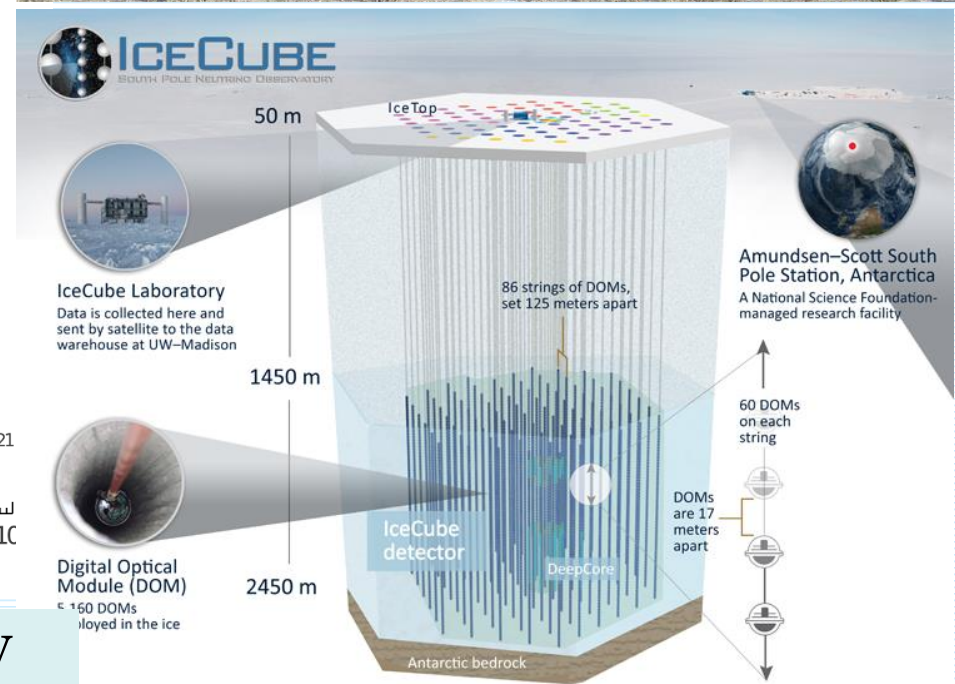
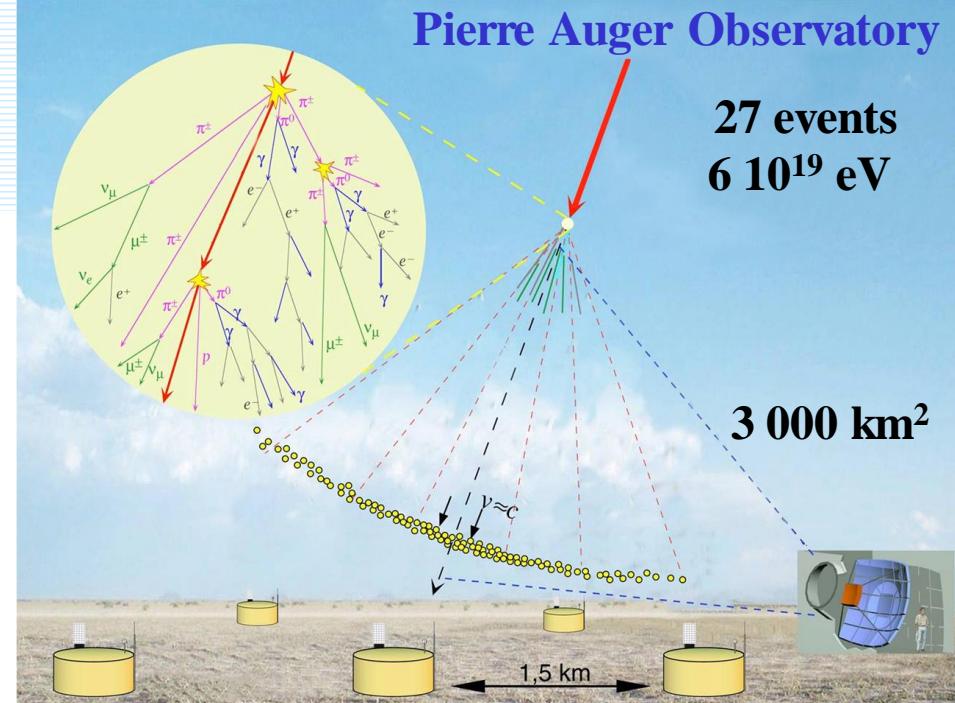
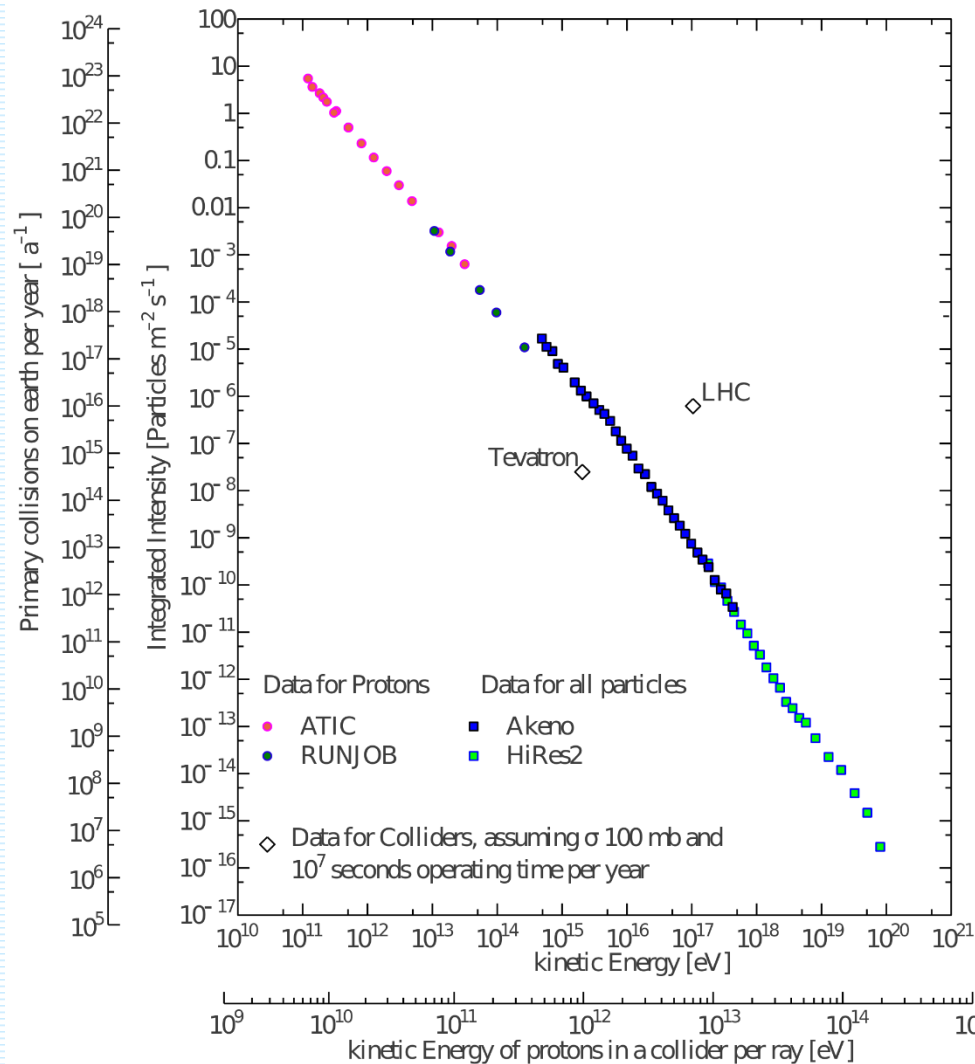
Universe

Supernova remnants



Imkovic

Detection of UHE cosmic ray, gamma ray bursts and neutrinos (Large Scale Scientific Infrastructures)



TeV = 10^{12} eV, PeV = 10^{15} eV, EeV = 10^{18} eV

Pierre Auger Observatory
not enough large!

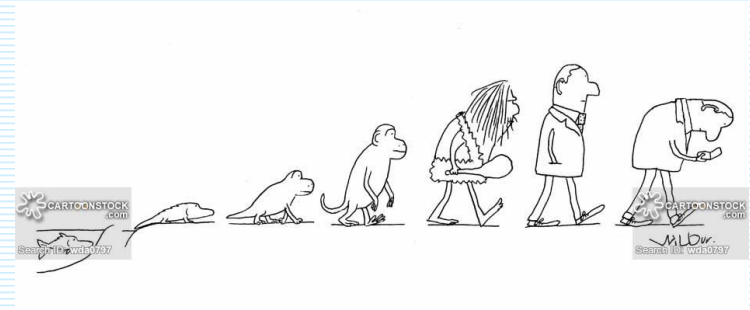
CREDO is a nice idea



We need
something
cheap, large
and for
everybody



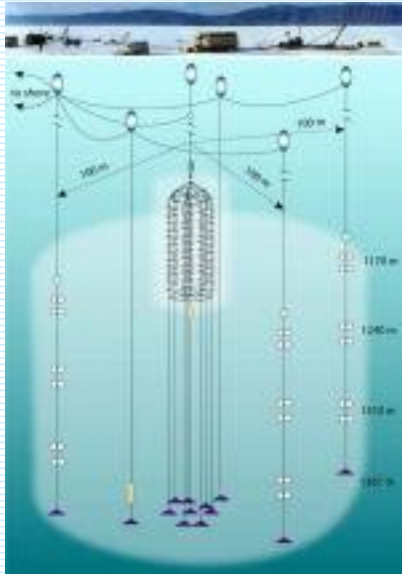
Cheap device



or Simkovic



Genesis of the CREDO V4 Collaboration



**Baikal GVD
collaboration
meeting**

**Request for a collaboration
of Central Europe institutions
in Astrophysics**



**INSTYTUT FIZYKI JĄDROWEJ
IM. HENRYKA NIEWODNICZAŃSKIEGO
POLSKIEJ AKADEMII NAUK**



CREDO V4 project

Series of advertising lectures of Piotr Homola



**CREDO
Meeting in
Bratislava
March, 2018**



**Expertize in
Cosmic Ray and
Astroparticle
physics research**

***Why CREDO by FMPI CU
in Bratislava***

**IT specialists
and
computer grid**

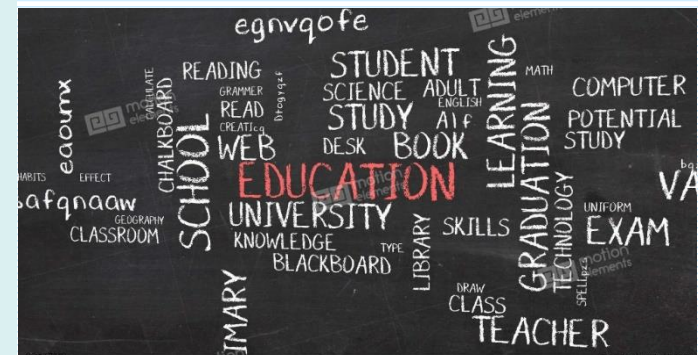


**CREDO as the field for
excellent education
with deep scientific sense**

**Potential for R&D
of small and cheap
proportional
detector of c.r. with
IAEP CTU Prague**



**University –
an excellent
test field for
CREDO project,
impact tester
both for
Education
and Science**



Testing of smartphones?



CREDO Horison 2020 project

Discussion about possible common EU project within Horison 2020 Call

- Is CREDO exclusive enough?
- Is CREDO realistic enough?
- Do we have expertize for CREDO?
- Do we have sufficient manpower for CREDO?
- Do we have sufficient technical support for CREDO?
- Who can contribute to CREDO?
- What might be the budget of CREDO?
- What might be the profit of each partner from CREDO?

We are at Beginning of Road

