

Antonietti EEE Beretta

a net in the net



Iseo - BS

Erice 6,7,8 Dicembre 2018



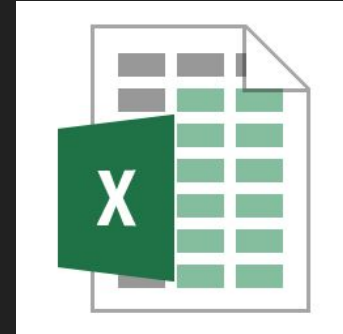
Gardone Val Trompia - BS

The schools and EEE project so far



- theoretical training

- data analysis



- sharing experiences



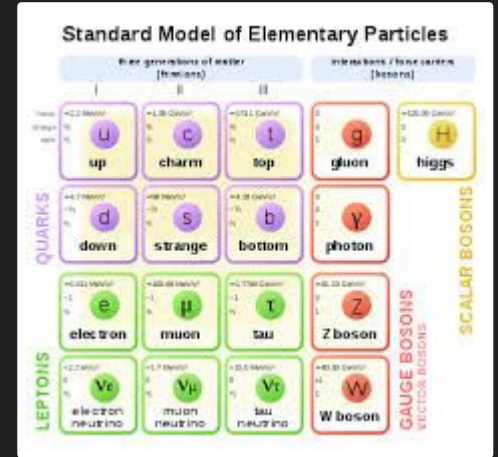
Theoretical training



particle physics

special relativity

astrophysics



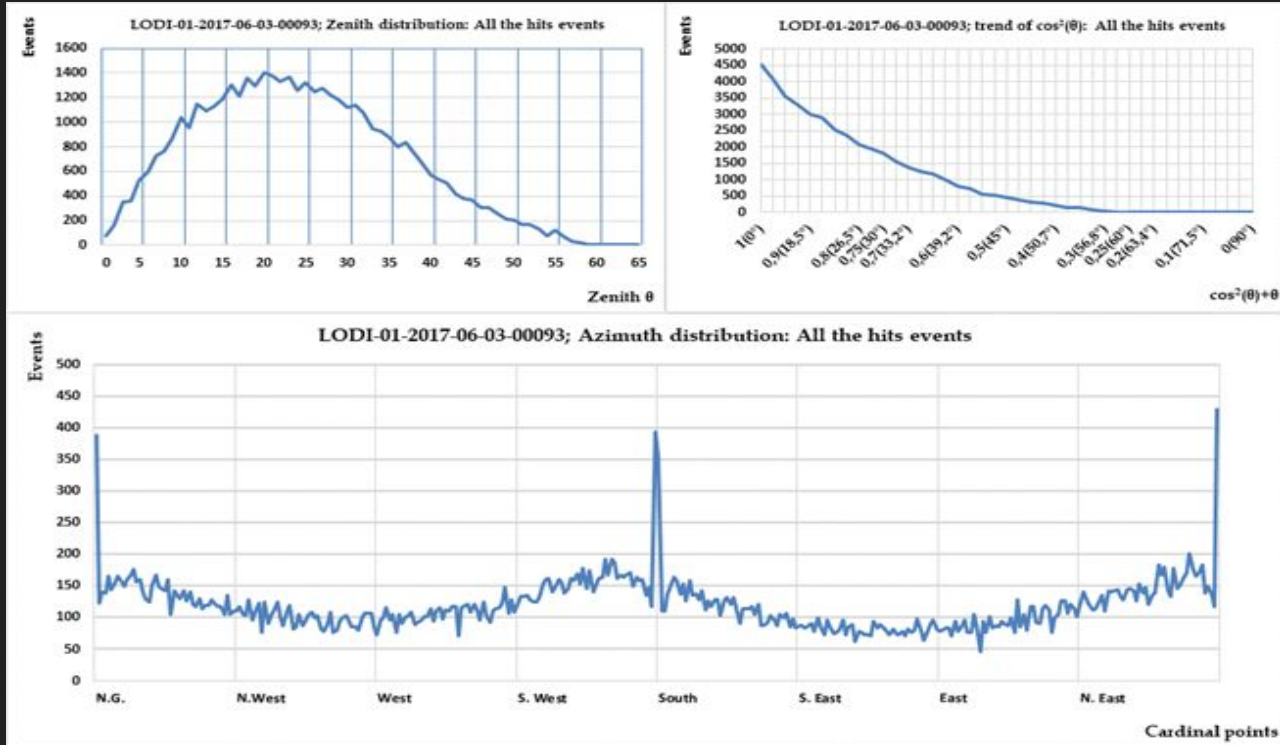
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Data analysis

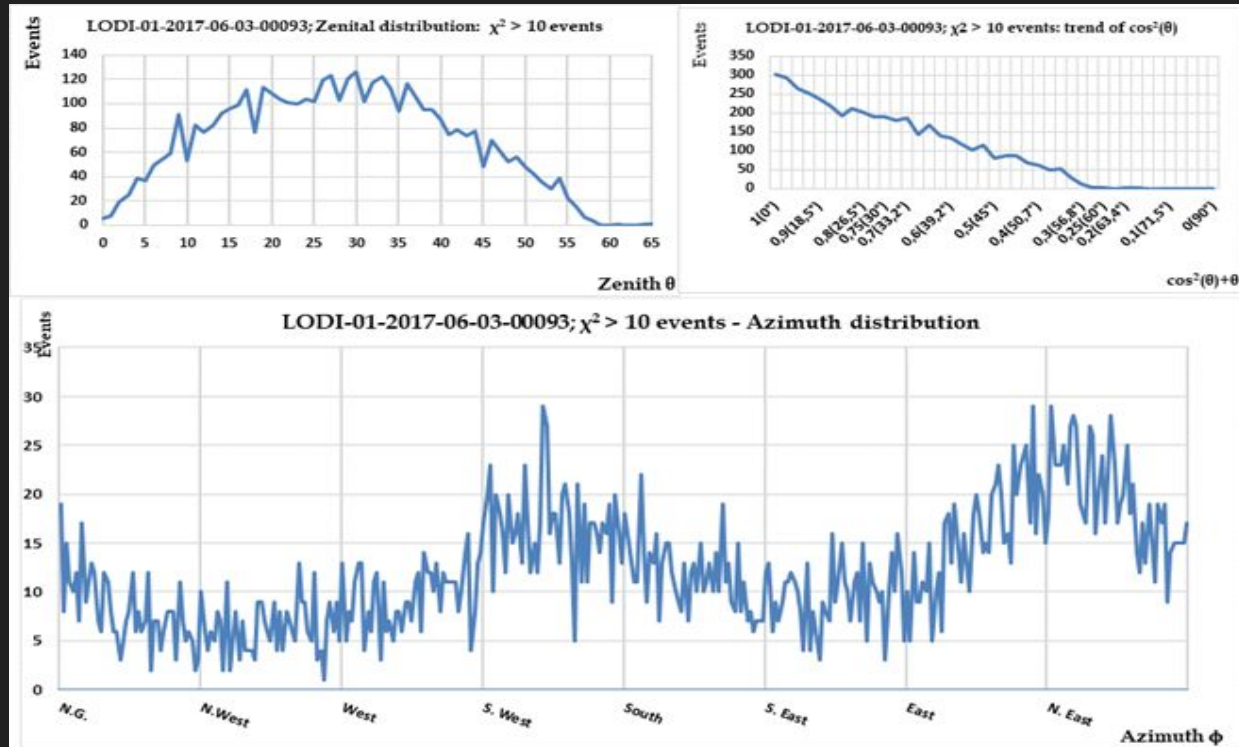
- how do we analyse data?
- what is our goal?

Riepilogo dati significativi del RUN	
RUN n°	93
del	03/06/2017
Run Start	21h 5m 4s
Local Mean Sidereal Time	12h 34m 44s
Run End	21h 19m 28s
Δt	864s
Hits-events	43.227
NO-Hits-events	6.773
Total events	50.000
Track length Min	93 cm.
Track length Max	235 cm.
$\chi^2 > 10$	6.985
T-o-F < 0	2.858
T-o-F < 0 and $\chi^2 > 10$	2.610
Events with $\theta > 43,8^\circ$	2.563
Total Rate	58 Hz
Rate of Hits scored	50 Hz
Events with speed $V \leq 300.000$ Km/s	22.561
Events with speed $V > 300.000$ Km/s	20.665
Events with $270.000 < V < 280.000$ Km/s	3.261

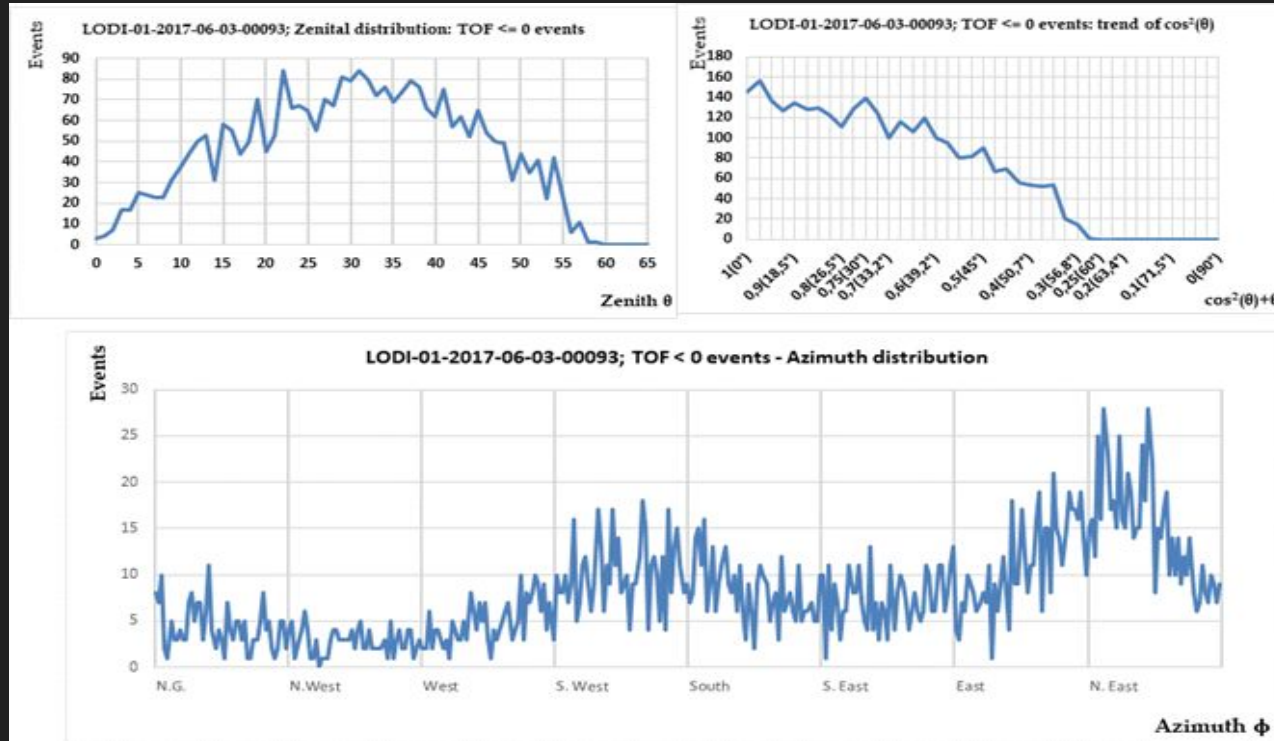
Data analysis - All the events with hits



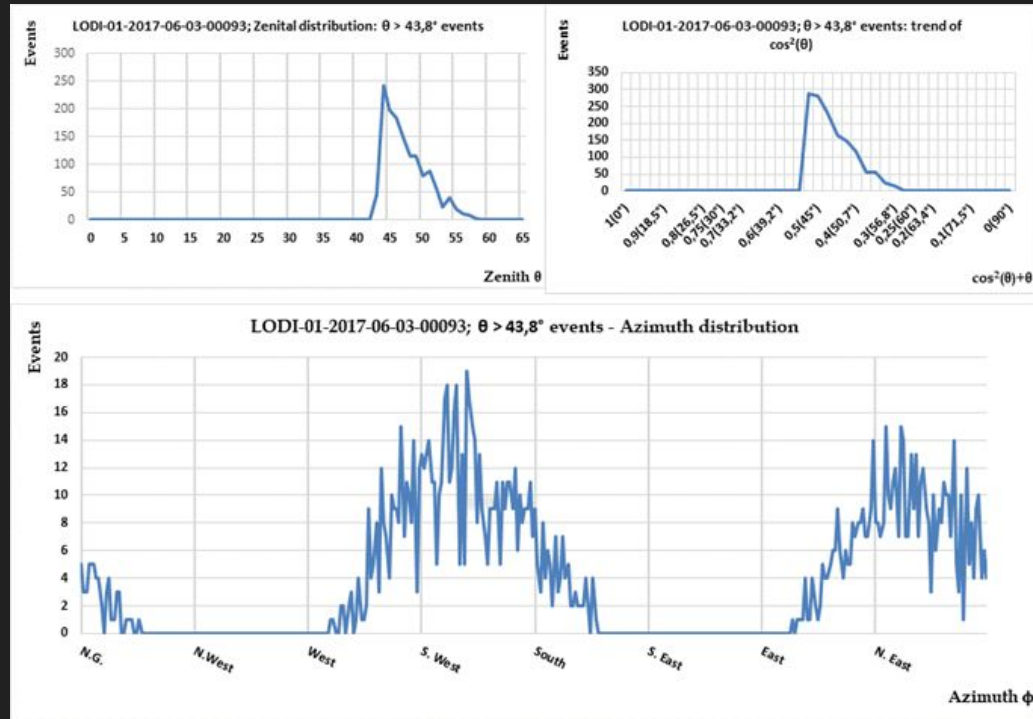
Data analysis - Chi-squared > 10 events



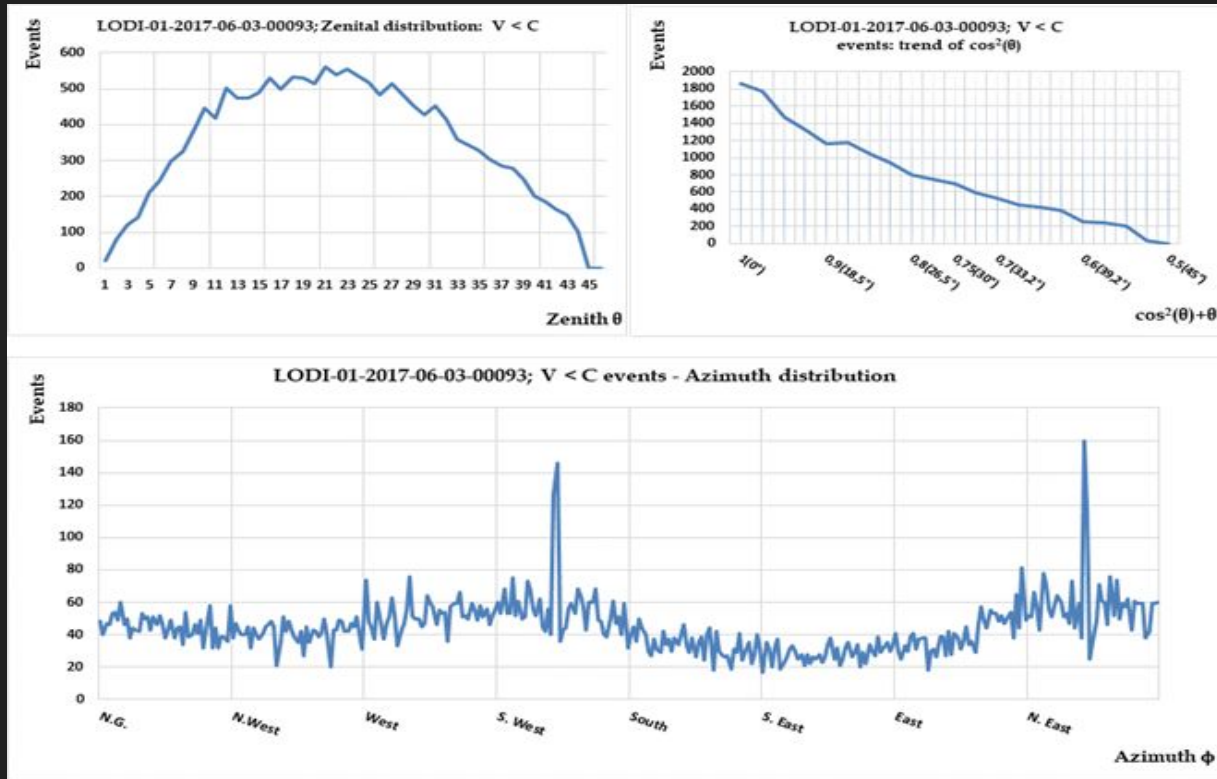
Data analysis - TOF ≤ 0 events



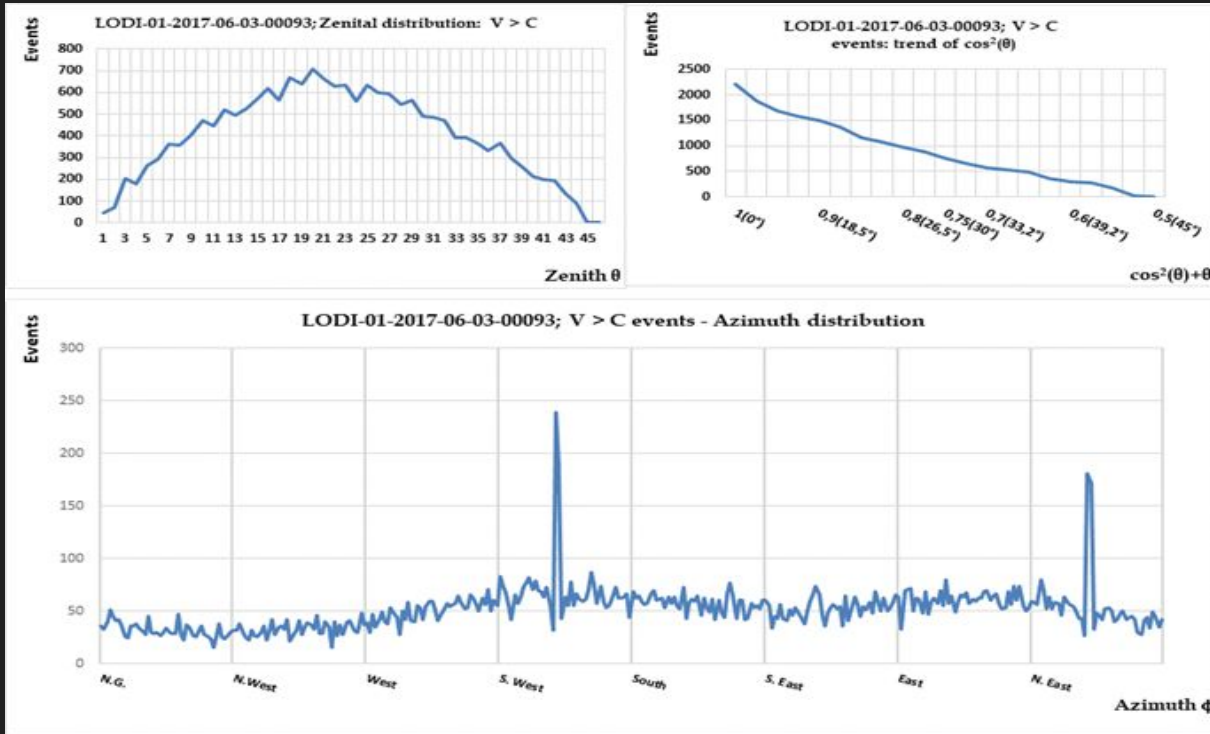
Data analysis - $\Theta > 43,8^\circ$ events



Data analysis - $v < c$ events

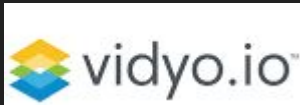


Data analysis - $v > c$ events

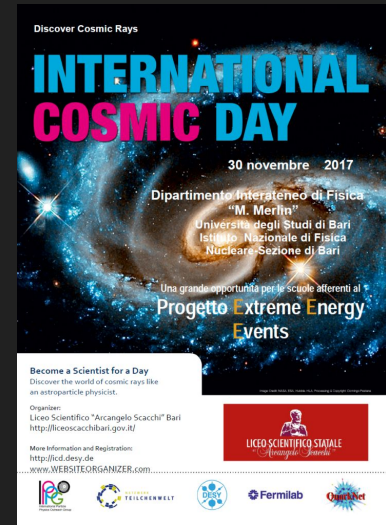


Sharing experiences

- key aspect of the EEE project
- a chance to learn more about telescope and cosmic box
- through the attendance of events like:



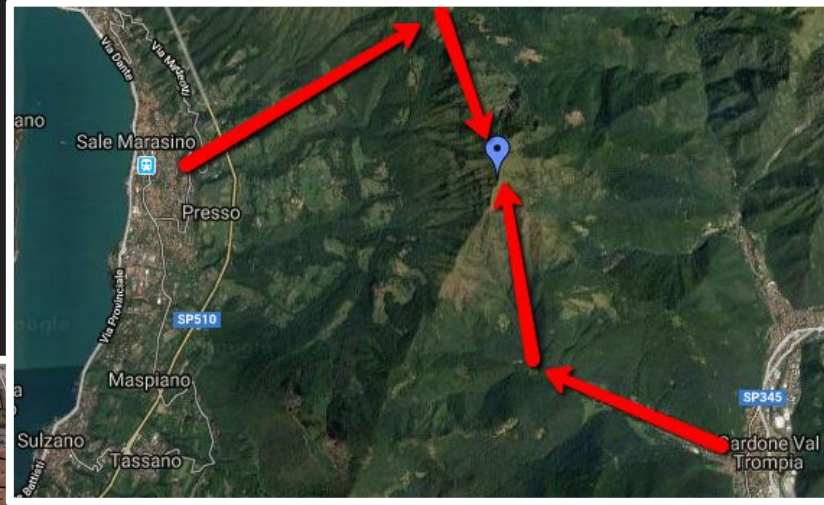
- Run Coordination Meetings
- International Cosmic Day
- Conferences on Centro Fermi Projects



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And in the future?

Cosmic Box Project!



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Thank you for your attention

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Amministrazione Finanza e Marketing
Costruzione Ambiente Territorio
Manutenzione ed assistenza tecnica
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This block contains three logos. On the left is the logo for 'IIS BERETTA di Gardone Val Trompia', featuring the school name in white on an orange background with a grid pattern. In the center is the text 'Ipsia/Itis/Liceo' in green, blue, and red. On the right is the logo for 'Istituto di Istruzione Superiore "Carlo Beretta" Gardone Val Trompia Brescia', which includes a gear, an open book, and a triangle, with the acronym 'IIS' in the center.

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Liceo scientifico e opzione Scienze Applicate, Liceo delle scienze umane e opzione economico sociale
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