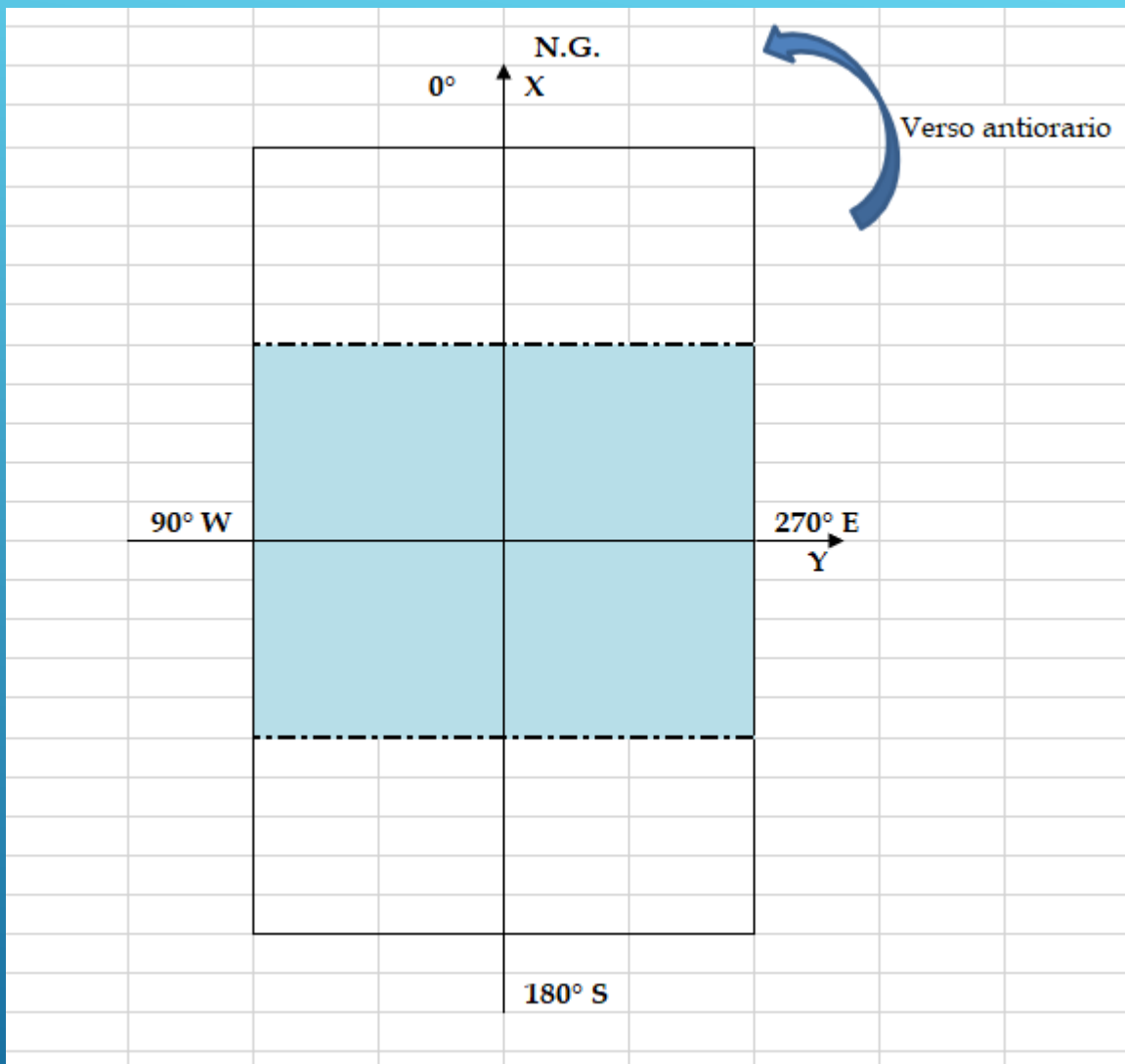


EEE Run coordination meeting
2018 February, 28

TELESCOPIO LODI-02
ANALISI DEL RUN N° 1 DEL 15 MARZO 2017

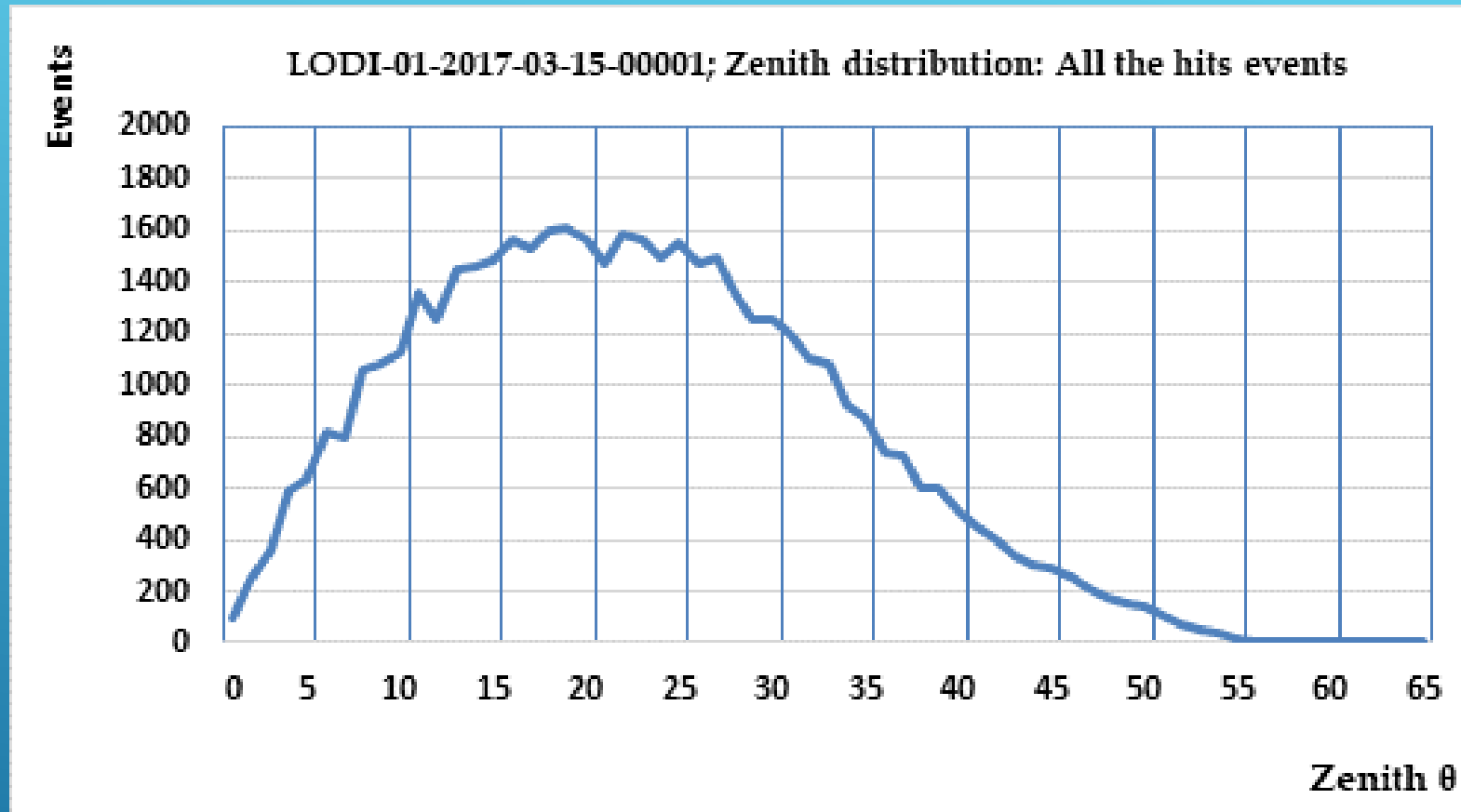
Presentano:
Cimpoiesu Jon
Magnaghi Christian

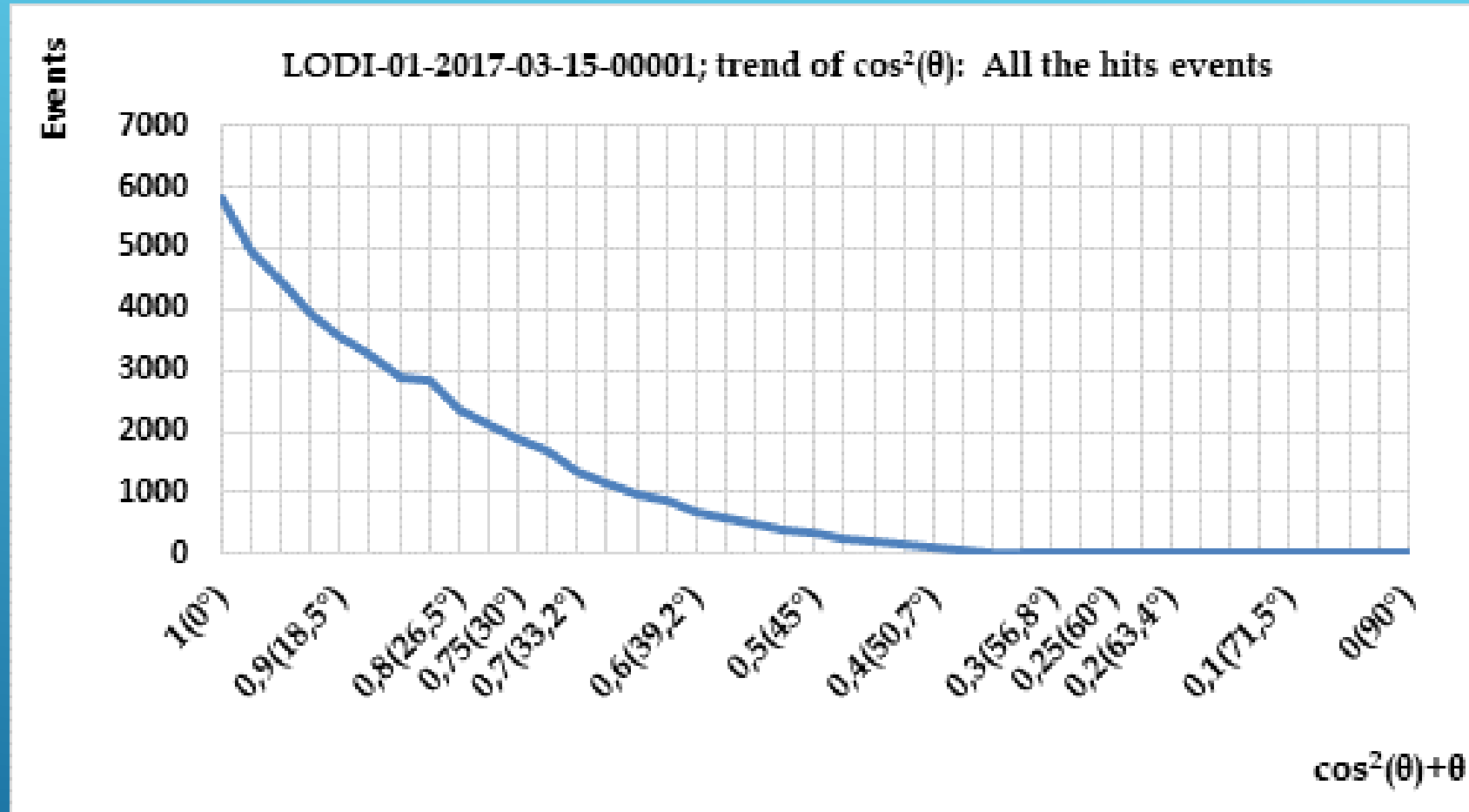


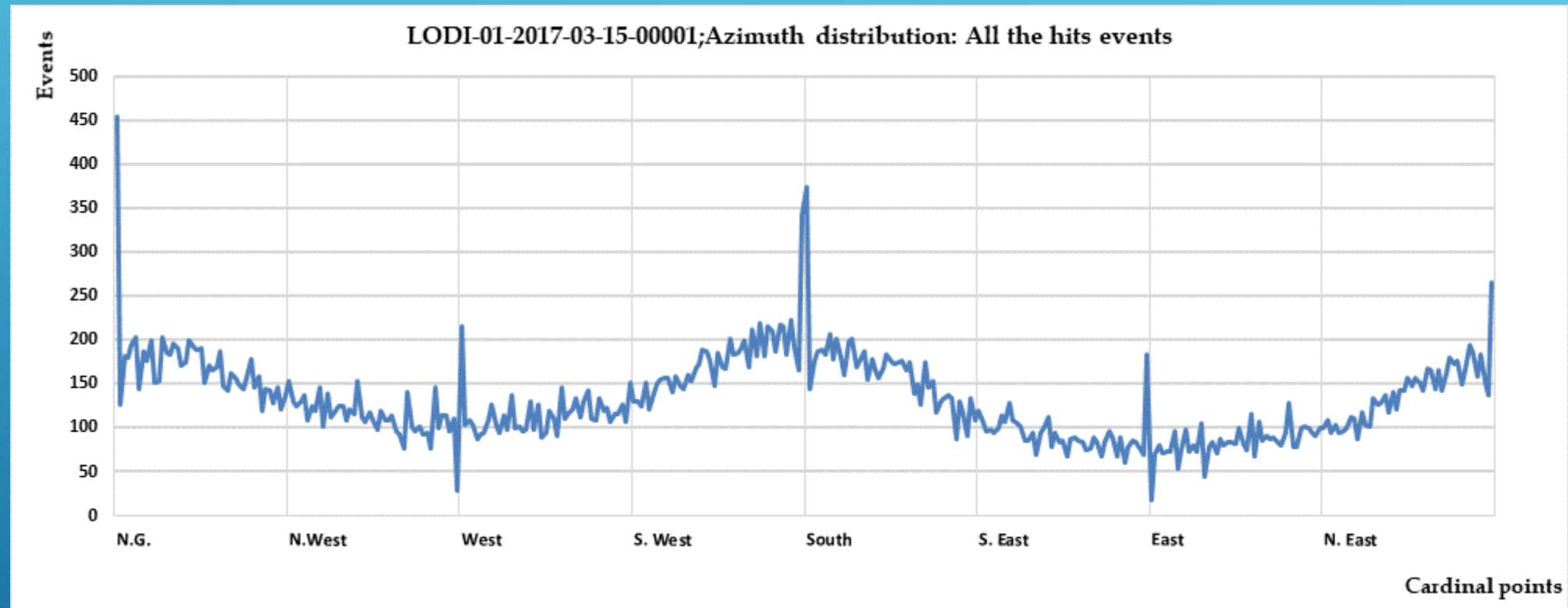
Il sistema di riferimento del Nord Geografico e quello del Telescopio coincidono. Nell'area colorata (più precisamente nella circonferenza inscritta in essa) gli eventi hanno un angolo $\theta \leq 37,5^\circ$. Perciò questi sono equiprobabili rispetto alla direzione di provenienza.

Riepilogo dati significativi del RUN		
RUN n°		1
del		14/03/2017
Run Start		23h 14m 8s
Local Mean Sidereal Time		10h 28m 55s
Run End		23h 32m 48s
Δt		1120s
Hits-events		47.586
NO-Hits-events		2.414
Total events		50.000
Total Rate		45 Hz
Rate of Hits scored		42 Hz
$\chi^2 > 10$		4.818
T-o-F < 0		1.643
T-o-F < 0 and $\chi^2 > 10$		1.319
Events with $\theta > 37,5^\circ$		4.483
Events with: $\theta < 37,5^\circ$; $\chi^2 < 10$; T-o-F > 0		39.034
Events with speed $V \leq 300.000$ Km/s		21.060
Events with speed $V > 300.000$ Km/s		26.525
Events with $270.000 < V < 280.000$ Km/s		2.481
Track length Min		104 cm.
Track length Max		279 cm.

Media	132,1833333
Errore standard	2,482560497
Mediana	125,5
Moda	94
Deviazione standard	47,10327361
Varianza campionaria	2218,718384
Curtosi	7,697103469
Asimmetria	1,623106721
Intervallo	437
Minimo	18
Massimo	455
Somma	47586
Conteggio	360
Più grande(1)	455
Più piccolo(1)	18
Livello di confidenza(95,0%)	4,882188424

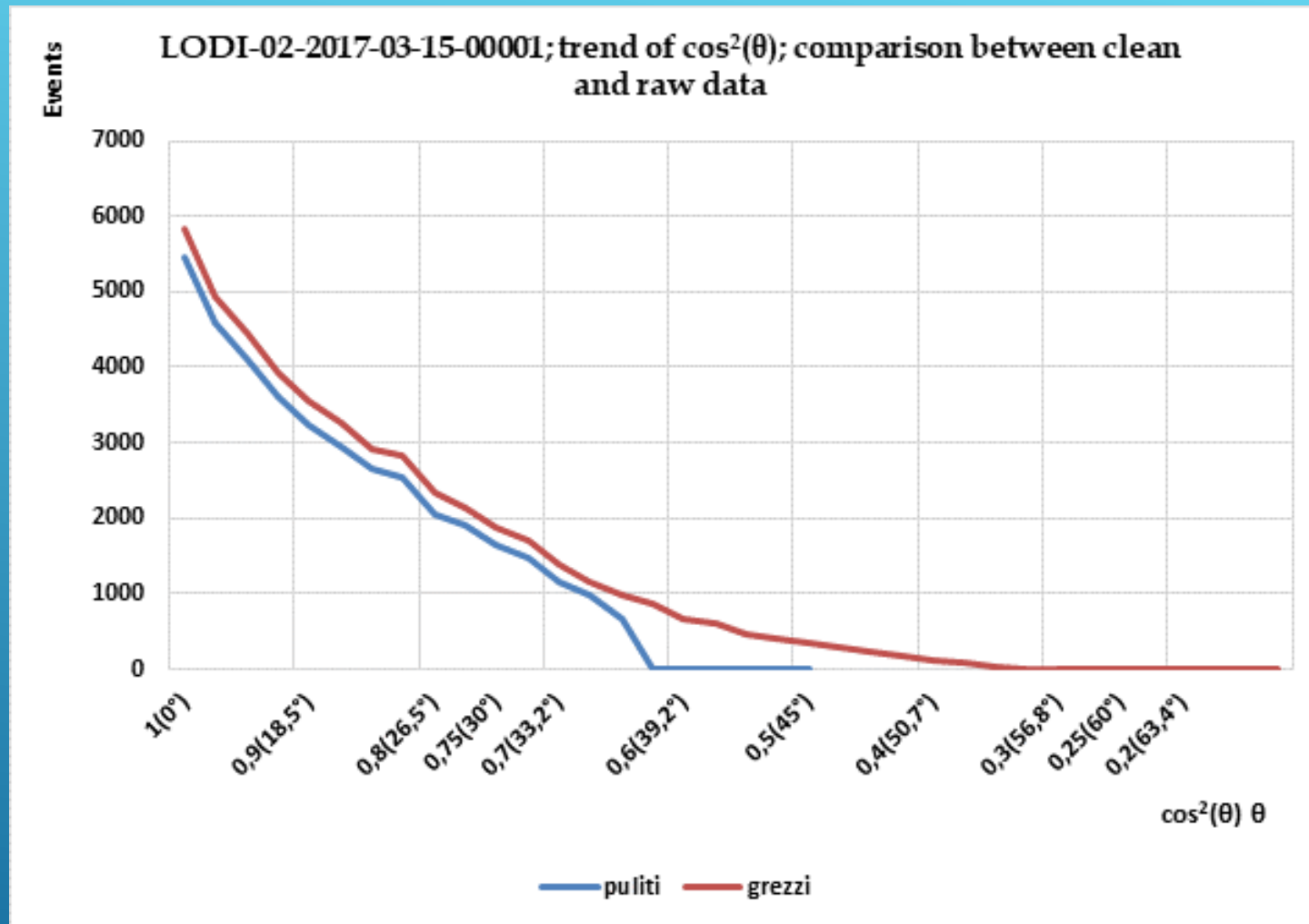


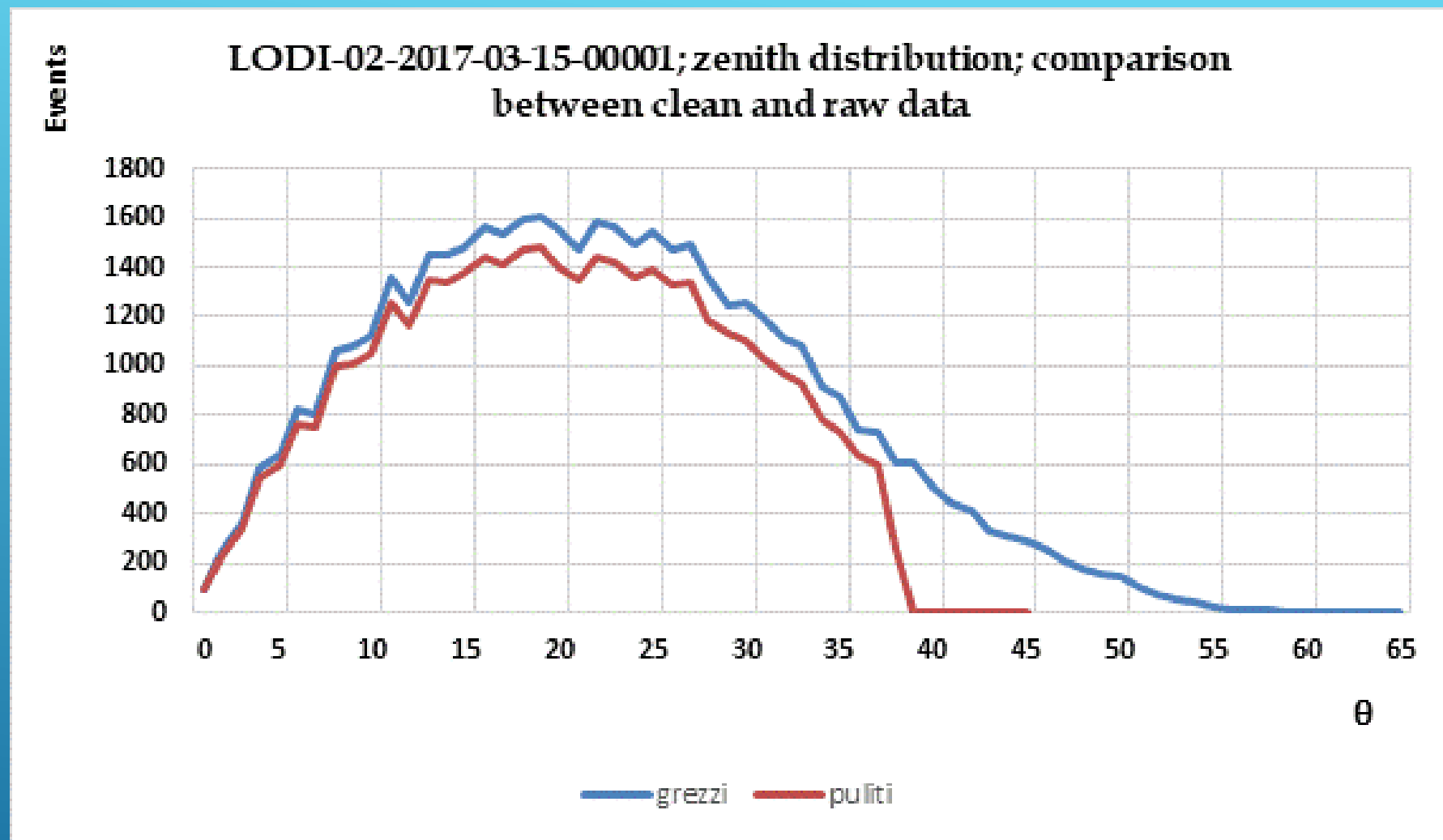




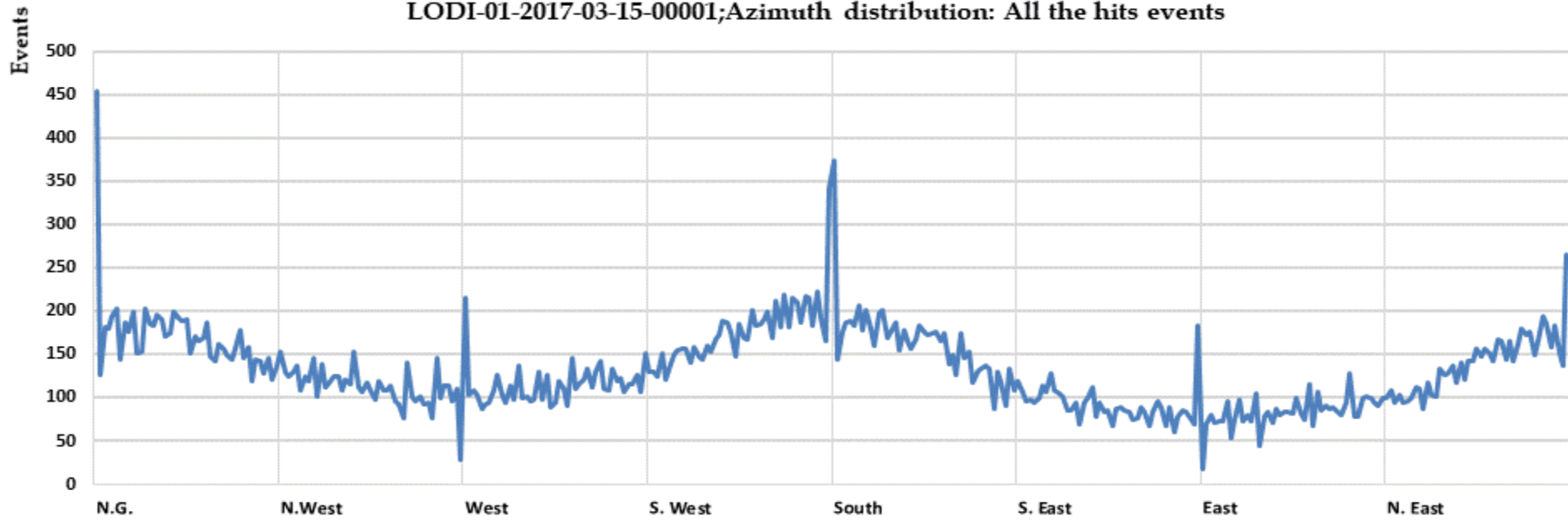
Final summary data		
Events with $\chi^2 < 10$; TOF > 0 ; $\theta < 43,8^\circ$	39.034	
Events with speed $V < 3,0 \cdot 10^6$ m/s	15.988	40,96%
Events with speed $V > 3,0 \cdot 10^6$ m/s	23.046	59,04%
Events with: $2,70 \cdot 10^6$ m/s < $V < 2,80 \cdot 10^6$ m/s	2.145	5,50%
Events with speed $V = 3,0 \cdot 10^6$ m/s	0	0,00%
Track length Min	104 cm.	
Track length Max	131 cm.	

RUN significant data summary: all events			
$\chi^2 > 10$	4.818	10,12%	
T-o-F < 0	1.643	3,45%	
T-o-F < 0 and $\chi^2 > 10$	1.319	2,77%	
Events with $\theta > 37,5^\circ$	4.483	9,42%	
Events with: $\theta < 37,5^\circ$; $\chi^2 < 10$; T-o-F > 0	39.034	82,03%	
Events with speed $V \leq 3,0 \cdot 10^6$ m/s	21.060	44,26%	
Events with speed $V > 3,0 \cdot 10^6$ m/s	26.525	55,74%	
Events with $2,70 \cdot 10^6$ m/s < $V < 2,80 \cdot 10^6$ m/s	2.481	5,21%	
	Track length Min	104 cm.	
	Track length Max	279 cm.	



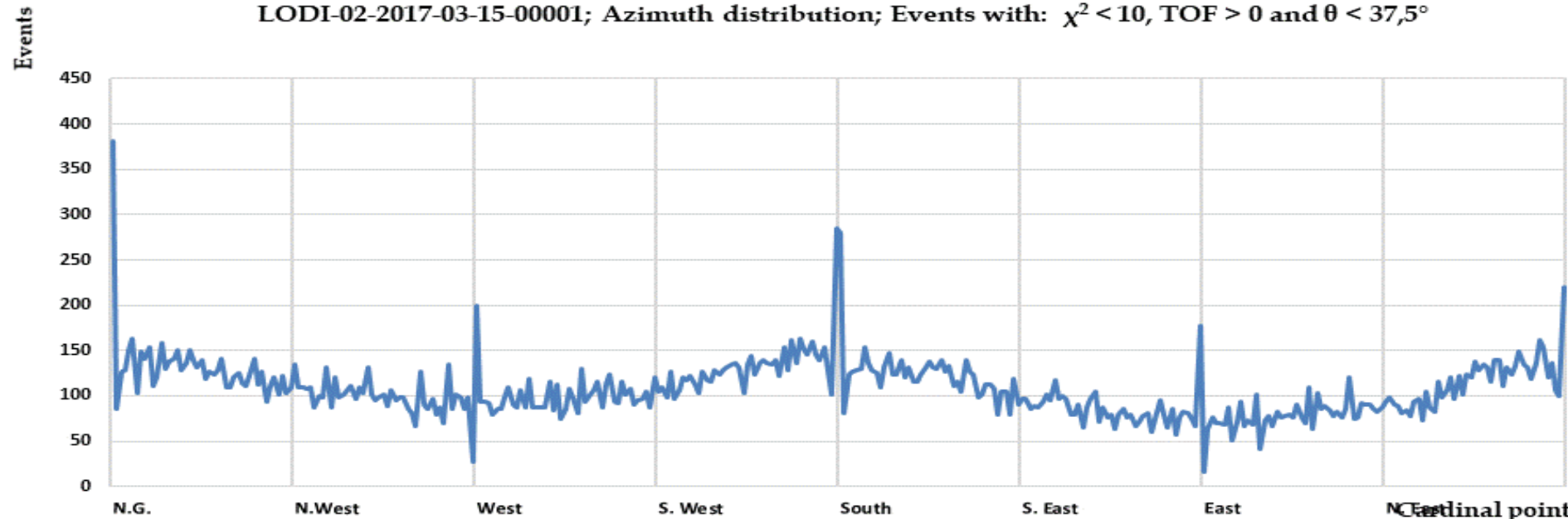


LODI-01-2017-03-15-00001; Azimuth distribution: All the hits events



Cardinal points

LODI-02-2017-03-15-00001; Azimuth distribution; Events with: $\chi^2 < 10$, TOF > 0 and $\theta < 37,5^\circ$



Cardinal points

Altri studenti che hanno partecipato alla ricerca

Bagno Nicolò - Caredda Caterina - Lincastri
Salvatore - Camoni Davide - Devito Samuele -
Marchesini Alessandro - Valcarengi Alessandro -
Formis Martina - Broglia Matteo - Bosani Alberto -
Grazzani Riccardo - Cona Gaia - Cerasuolo Nicole -
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