

KASCADE_ReducedData_runs_4685-7417_ASCII

general information

Set name	KASCADE_ReducedData_runs_4685-7417_ASCII	
Data selection	NABOO	
Data format	ASCII	
Number of events	general array	277,425,001 243,302,187
Creation date	6.6.2020	
Zip-file / size	KASCADE_ReducedData_runs_4685-7417_ASCII.zip / 12,980 MB	
Data files / sizes	array.txt general.txt row_mapping.txt	/ 23,600 MB / 21,370 MB / 5,087 MB

KASCADE quantities selected

Quantity	Description	Range	Cut
E	Estimated primary energy	$10^{13} - 10^{19}$ eV	full range
Xc	X-core position	-91 - +91 m	full range
Yc	Y-core position	-91 - +91 m	full range
Ze	Zenith angle	0° - 60°	full range
Az	Azimuth angle	0° - 360°	full range
Ne	Number of e/ γ particles	100 - 500,000,000	full range
Nmu	Number of Muons	100 - 50,000,000	full range
Age	Shower age	0.1 – 1.48	full range

general quantities selected

Quantity	Description	Range	Cut
T	Air temperature	-20 ° - +50°	full range
P	Air pressure	960 -1040 hPa	full range
Gt	Global time (sec's since 1.1.1970)	1,017,887,940 – 1,358,239,243	cut
Mt	Micro time	0 – 999,999,999	full range
DateTime	Date & Time	20.12.2003-15.1.2013	cut
R	Run number	4685 - 7417	cut
Ev	Event number	1 – 4,100,000	full range