

## KASCADE-GRANDE ReducedData \_runs\_4775-7398\_HDF5

### *general information*

Set name	KASCADE-GRANDE ReducedData _runs_4775-7398_HDF5		
Data selection	NABOO		
Data format	HDF5		
Number of events	general	35,292,464	
	grande	35,292,464	
Zip-file name / size	KASCADE-GRANDE ReducedData _runs_4775-7398_HDF5.zip / 2475 MB		
Data file names / sizes	events.h5	/ 2480 MB	
Creation date	15.5.2020		
Application	Analysing data of the GRANDE Array only		

### *GRANDE quantities selected*

Quantity	Description	Range	Cut
Xc	X-core position Grande	-500 - +100 m	full range
Yc	Y-core position Grande	-600 - + 100 m	full range
Ze	Zenith angle Grande	0° - 40°	full range
Az	Azimuth angle Grande	0° - 360°	full range
Nch	Number of charged particles Grande	11111 - 1,000,000,000	full range
Nmu	Number of Muons Grande	1500 – 100,000,000	full range
Age	Shower age Grande	-0.385 – +1.488	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)	1,078,737,900 – 1,350,044,820	cut
Mt	Micro time	0 – 999,999,999	full range
DateTime	Date & Time	8.3.2004 – 12.10.2012	cut
R	Run number	4775 – 7398	cut
Ev	Event number	1 – 4,100,000	full range

Note: only GRANDE reconstructed events are included