



VHE data format in KM3NeT

Current status and expectations

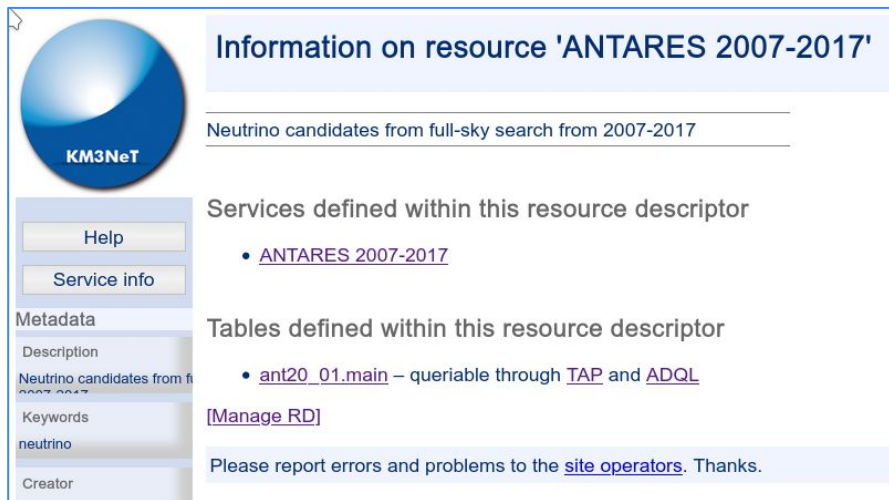
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Current data dissemination

Virtual Observatory

- ANTARES data as test data set (vo.km3net.de)
- Registered as data provider to the [VO](http://ivo://km3net.org) (ivo://km3net.org)



Information on resource 'ANTARES 2007-2017'

Neutrino candidates from full-sky search from 2007-2017

Services defined within this resource descriptor

- [ANTARES 2007-2017](#)

Tables defined within this resource descriptor

- [ant20_01.main](#) – queryable through [TAP](#) and [ADQL](#)

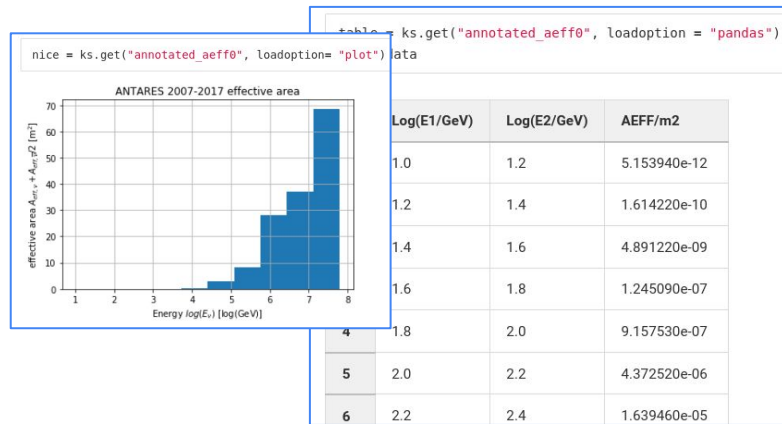
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VHE data format in KM3NeT

Open Data Center

- Server for all “non-VO” data (opendata.km3net.de)
- Self-defined formats, currently hdf5 for events



Future: ESCAPE data lake in EOSC (?)

Relating neutrino data to GADF

GADF	KM3NeT	future?
Event format	“Simple” event in VO	Keep & interlink to extended data sets
	“Complex” event in data center	Adding FITS, align entries with GADF
IRF	Under development (stand alone)	Draw from GADF

Plans on data format development

- Open Science Program within KM3NeT
 - Declared goal of open data, established Open Science Committee
 - Developing publication pipelines for data sets
 - Considering IRF formats and framework
- In coordination with others
 - ESCAPE context: exchange with IVOA on high-energy data format
 - dedicated discussion & development with CTA (also first [master thesis @ECAP](#))

High interest to interconnect work streams & co-develop with GADF



Backup

The KM3NeT Open Science System

