



Welcome!

Simple corsika simulation interface

Please download corsika example ini file, change the **Run number** [4 digit - not existing in [Results](#)] and a **file name**.

[corsika ini file, example](#)

Upload new ini file...

corsika ini file to Upload:

If a file is in [Uploads](#) the computer didn't start/scheduled to run CORSIKA yet (maximum waiting is 5 min)...

If a file is in [Scheduled](#) the computer scheduled to run CORSIKA

If a file is in [Running](#) the computer is running CORSIKA...

Look in [Results](#) for outputs (after a while :)

In results folder, there is a run folder, for example: **2020**

Various control images (muon energies, shower energy, px distribution etc.) are in **images** folder. For example:

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In results folder, there is a run folder

Various control images (muon energy

shower energy pow 2.7 2020

Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://147.91.87.156/example_run_2050.in

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```

RUNNR      2050                run number
EVTNR      3000001           number of first shower event
NSHOW      100              number of showers to generate
PRMPAR     14               particle type of prim. particle
ESLOPE     -2.7             slope of primary energy spectrum
ERANGE     10. 1.E4         energy range of primary particle
THETAP     0. 60.          range of zenith angle (degree)
PHIP       -180. 180.      range of azimuth angle (degree)
SEED       100 1 0         seed for 1. random number sequence
SEED       200 1 0         seed for 2. random number sequence
OBSLEV     80.E2           observation level (in cm)
FIXCHI     0.              starting altitude (g/cm**2)
MAGNET     20.0 42.8        magnetic field centr. Europe
HADFLG     0 0 0 0 0 2     flags hadr.interact.&fragmentation
ECUTS      0.05 0.05 0.00005 0.00005 energy cuts for particles
MUADDI     T               additional info for muons
MUMULT     T               muon multiple scattering angle
ELMFLG     T T            em. interaction flags (NKG,EGS)
STEDEC     1 0           mult. scattering step length fact

```



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Simple corsika simulation interface

Please download corsika example ini file, change the **Run number** [4

[corsika ini file, example](#)

Upload new ini file...

corsika ini file to Upload:

Browse...

Submit Form

If a file is in [Uploads](#) the computer didn't start/scheduled to run CORSIKA

If a file is in [Scheduled](#) the computer scheduled to run CORSIKA

If a file is in [Running](#) the computer is running CORSIKA...

Look in [Results](#) for outputs (after a while :)

In results folder, there is a run folder, for example: 2020

Various control images (muon energies, shower energy, px distribution etc.) are in **shower energy pow 2.7 2020.gif (.eps)**

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File Upload

Look in: My Computer

- 3.5 Floppy (A:)
- Local Disk (C:)
- Local Disk (D:)
- New (E:)
- Local Disk (I:)
- Local Disk (J:)
- Shared Documents
- Saja's Documents

File name:

Files of type: All Files

Open Cancel

Submit Form

If a file is in [Uploads](#) the computer didn't start/scheduled to run CORSIKA yet (m

If a file is in [Scheduled](#) the computer scheduled to run CORSIKA

If a file is in [Running](#) the computer is running CORSIKA...

Look in [Results](#) for outputs (after a while :)

In results folder, there is a run folder, for example: 2020

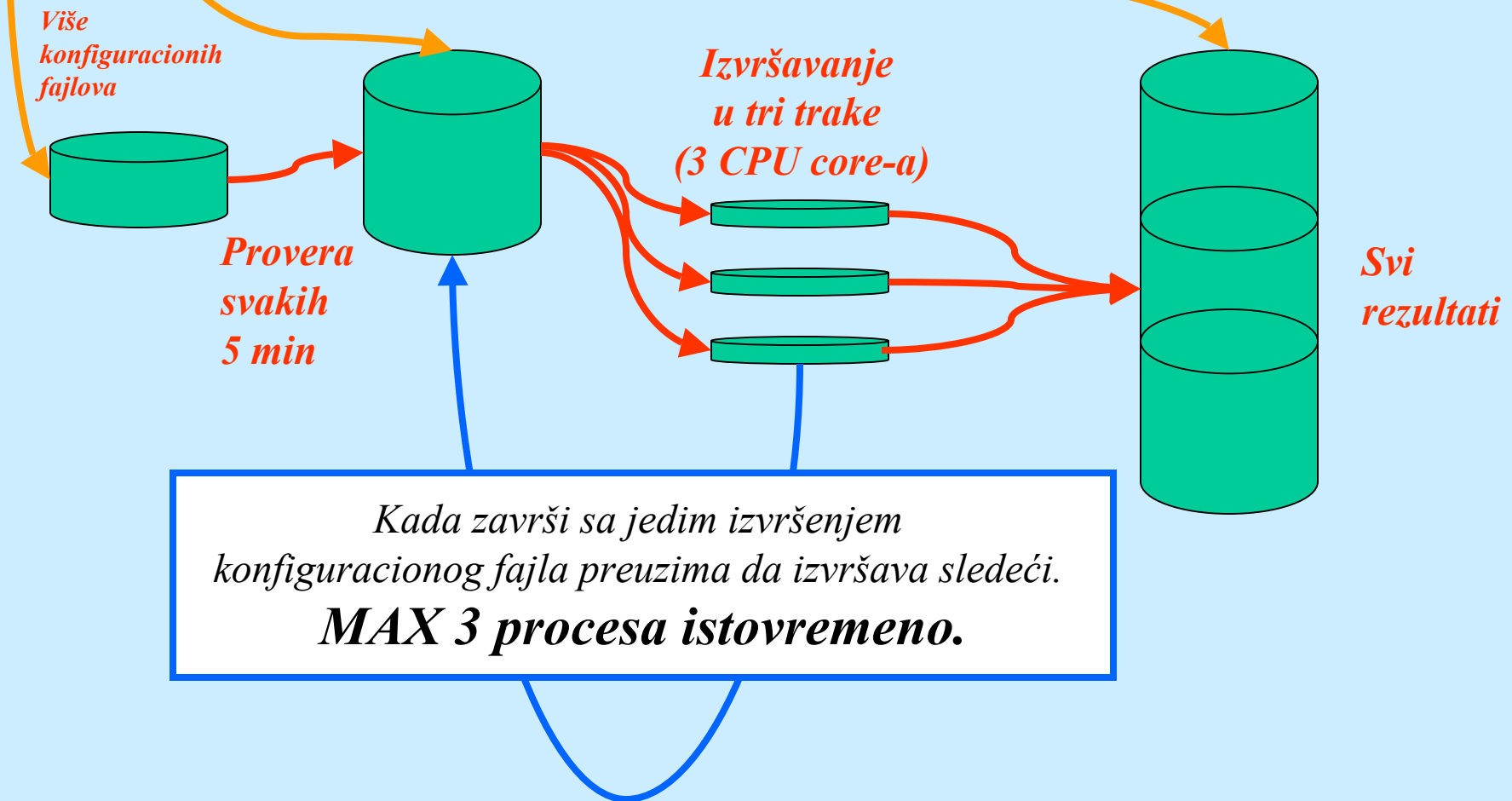
Various control images (muon energies, shower energy, px distribution etc.) are in **shower energy pow 2.7 2020.gif (.eps)**

If a file is in Uploads the computer didn't start/scheduled to run CORSIKA yet (maximum waiting is 5 min)...

If a file is in Scheduled the computer scheduled to run CORSIKA.

If a file is in Running the computer is running CORSIKA...

Look in Results for outputs (after a while :)



Index of /results - Mozilla Firefox

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http://147.91.87.156/results/

Most Visited Games for kids Logout

Index of /results

Name	Last modified	Size	Descri
Parent Directory		-	
1201-1211/	18-Sep-2010 11:43	-	
1212alpha/	18-Sep-2010 11:47	-	
2010/	18-Sep-2010 14:18	-	
older/	16-Sep-2010 09:47	-	

Apache/2.0.52 (Scientific Linux) Server at 147.91.87.156 Port 80

Index of /results/2010

Name	Last modified	Size	De
Parent Directory		-	
DAT002010.dbase	18-Sep-2010 12:10	1.5K	
DAT002010.root	18-Sep-2010 14:17	6.6M	
R2010.ascii.dat	18-Sep-2010 14:18	10M	
R2010.hepevt	18-Sep-2010 14:18	5.6M	
R2010.hepevt2	18-Sep-2010 14:18	10M	
R2010_summary.ascii.dat	18-Sep-2010 14:18	315K	
current 2010.C	18-Sep-2010 14:17	4.6K	
draw 2010.C	18-Sep-2010 14:18	8.3K	
example_run 2001.txt	18-Sep-2010 12:07	2.0K	
example_run 2001.txt.txt	18-Sep-2010 14:17	3.3M	
images/	18-Sep-2010 14:18	-	

```

AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
000      000      0000      0000      00  0      0      0
0  0      0  0      0  0      0  0      00  0  0      0  0
0      0      0  0      0      0000      00  00      0  0
0      0      0  0000      0      00  0  0      0000000
0  0      0  0      0  0      0  0      00  0  0      0  0
000      000      0  0      0000      00  0      0  0  0
COSMIC RAY SIMULATION FOR KASCADE
A PROGRAM TO SIMULATE EXTENSIVE AIR SHOWERS IN ATMOSPHERE

```

Index of /results/2010 - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://147.91.87.156/results/2010/

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Index of /results/2010

Name	Last modified	Size	Description
Parent Directory			
DAT002010.dbase			
DAT002010.root			
R2010.ascii.dat			
R2010.hepevt			
R2010.hepevt2			
R2010_summary.ascii.dat			
current 2010.C			
draw 2010.C			
example run 2001.txt			
example run 2001.txt.tx			
images/			

Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://147.91.87.156/results/2010/R2010.ascii.dat

Most Visited Games for kids Logout

```

Evt PID(PDG) px py pz mass x y z t
4 22 -5.776314e-05 4.044263e-05 1.317525e-04 0.000000e+00 -1.155740e+05 -3.963488e+05 8.000
4 22 -8.223908e-04 2.291313e-03 5.415275e-03 0.000000e+00 -1.179697e+05 -3.892618e+05 8.000
4 22 -4.282083e-03 2.912150e-03 1.200183e-02 0.000000e+00 -1.208355e+05 -3.892257e+05 8.000
4 22 -4.908302e-05 -8.240796e-05 1.383085e-05 0.000000e+00 -1.212845e+05 -4.005238e+05 8.000
4 22 -3.627587e-02 2.489625e-02 9.951000e-02 0.000000e+00 -1.209147e+05 -3.891441e+05 8.000
5 2112 2.251269e-01 -4.733138e-02 4.019724e-01 9.396000e-01 -1.306929e+06 1.014308e+06 8.000
9 22 -1.800371e-04 -1.135442e-03 1.505589e-03 0.000000e+00 2.521507e+04 3.968406e+04 8.0000
9 22 -5.347229e-05 -1.869053e-04 7.721789e-04 0.000000e+00 2.728309e+04 5.863493e+04 8.0000
9 2112 2.782241e-01 -1.996251e-01 5.270224e-01 9.396000e-01 9.220892e+04 -8.740127e+04 8.000
9 22 -4.596191e-02 -1.078262e-01 2.452647e-01 0.000000e+00 -2.018837e+03 -6.897671e+04 8.000
  
```

Apache/2.0.

Evt PID(PDG) px py pz mass x y z t

```

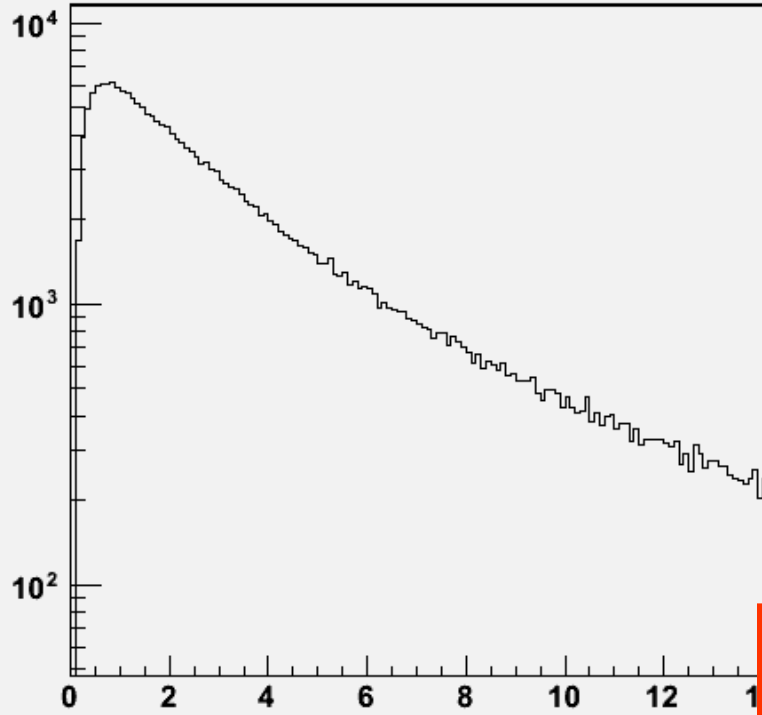
22 22 -3.228397e-04 -4.079494e-04 4.443099e-04 0.000000e+00 1.801881e+05 -1.843663e+05 8.000
22 22 -1.643387e-03 3.529410e-03 6.068282e-03 0.000000e+00 -6.376605e+04 -7.430573e+04 8.000
22 22 -3.842615e-04 1.097420e-03 2.113652e-03 0.000000e+00 -6.197537e+04 -7.481812e+04 8.000
22 11 -9.496787e-04 1.408372e-03 1.862933e-03 5.100000e-04 -6.327566e+04 -7.288952e+04 8.000
22 22 1.981957e-04 2.198508e-04 2.814567e-04 0.000000e+00 -5.956511e+04 -7.282734e+04 8.000
22 22 -3.156753e-03 5.160199e-03 9.528100e-03 0.000000e+00 -6.459639e+04 -7.419554e+04 8.000
  
```

Index of /results/2010

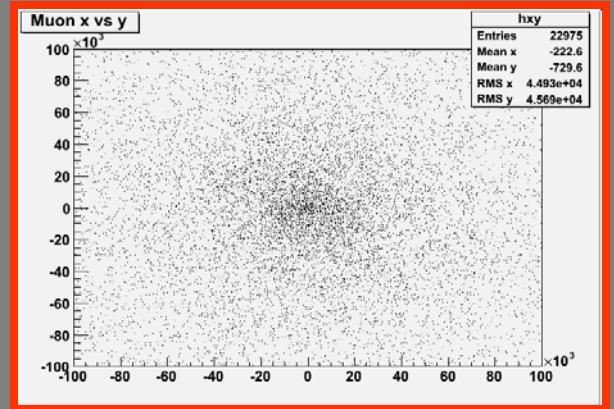
Name	Last	Name	
Parent Directory		Parent Directory	
DAT002010.dbase	18-Sep	em kin energy 2010.eps	18-
DAT002010.root	18-Sep	em kin energy 2010.gif	18-
R2010.ascii.dat	18-Sep	em kin energy log 2010.eps	18-
R2010.hepevt	18-Sep	em kin energy log 2010.gif	18-
R2010.hepevt2	18-Sep	hadronic kin energy 2010.eps	18-
R2010_summary.ascii.dat	18-Sep	hadronic kin energy 2010.gif	18-
current 2010.C	18-Sep	hadronic kin energy log 2010.eps	18-
draw 2010.C	18-Sep	hadronic kin energy log 2010.gif	18-
example run 2001.txt	18-Sep	muon kin energy 2010.eps	18-
example run 2001.txt.txt	18-Sep	muon kin energy 2010.gif	18-
images/	18-Sep	muon kin energy log 2010.eps	18-
		muon kin energy log 2010.gif	18-
		muon plus em kin energy 2010.eps	18-
		muon plus em kin energy 2010.gif	18-
		muon plus em kin energy log 2010.eps	18-
		muon plus em kin energy log 2010.gif	18-
		px distribution 2010.eps	18-
		px distribution 2010.gif	18-
		px distribution log 2010.eps	18-
		px distribution log 2010.gif	18-
		shower energy 2010.eps	18-
		shower energy 2010.gif	18-
		shower energy log 2010.eps	18-
		shower energy log 2010.gif	18-
		shower energy pow 2.7 2010.eps	18-
		shower energy pow 2.7 2010.gif	18-
		shower energy pow 2 2010.eps	18-
		shower energy pow 2 2010.gif	18-
		tot energy 2010.eps	18-
		tot energy 2010.gif	18-
		tot energy log 2010.eps	18-
		tot energy log 2010.gif	18-
		x vs y 2010.eps	18-
		x vs y 2010.gif	18-

Hvala!

Mu kin. energy

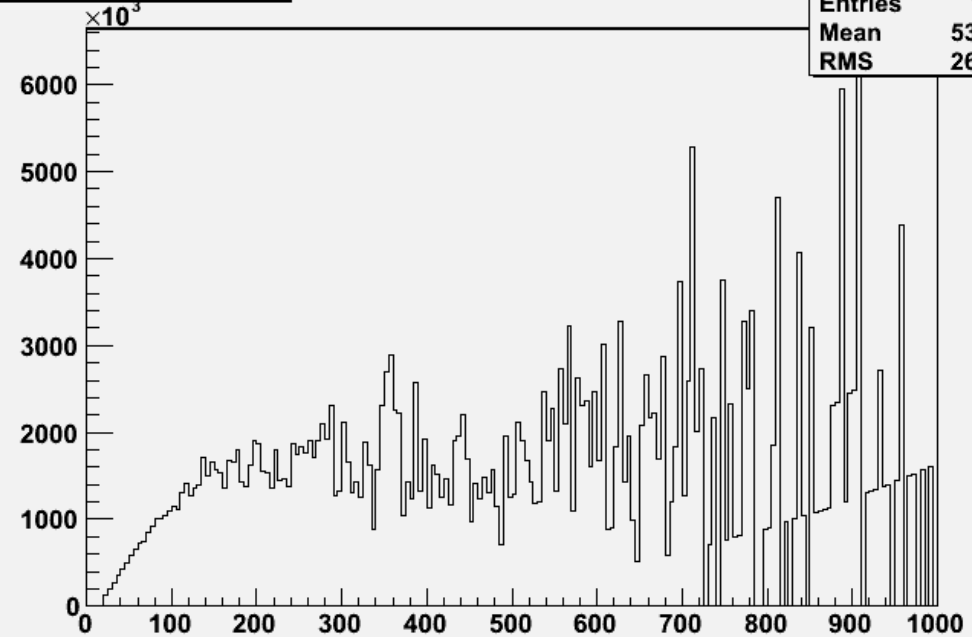


henmu	
Entries	246610
Mean	3.997
RMS	3.957



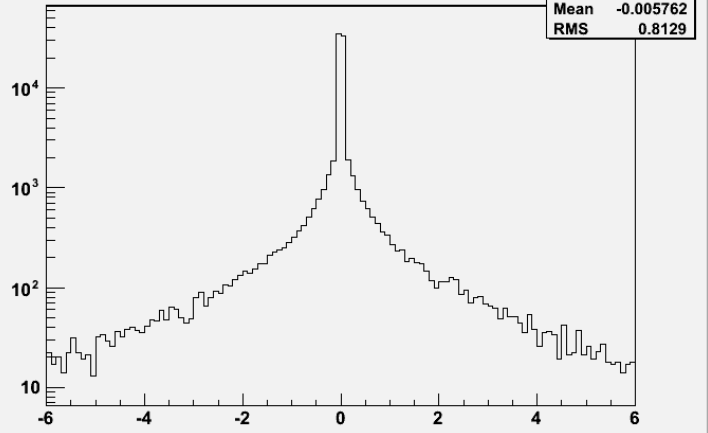
hxy	
Entries	22975
Mean x	-222.6
Mean y	-729.6
RMS x	4.493e+04
RMS y	4.569e+04

shower flux x $E^{2.7}$



hshower3	
Entries	199
Mean	539.5
RMS	261.7

This is the px distribution



hpx	
Entries	92319
Mean	-0.005762
RMS	0.8129