

Analisi di produzioni ufficiali Fastsim
Le informazioni sui dataset usate da ganga sono recuperate del dataplacement DB di postgres skb5.

```
In [2]:j=Job()

In [3]:j.name = 'FastAnalysis'

In [4]:j.application = SuperBApp()

In [5]:j.application.exepath = 'analysisExe.sh'
```

L'utente fornirà (sempre, solo) il percorso in cui risiede il software di analisi, il tar.bz2 lo creerà il plugin.

```
In [6]:j.application.sw_directory = '/storage/gpfs_superb/users/ganga_util/GangaSuperB/test/analysisSoftware'
```

```
In [7]:j.inputdata = SuperBInputDatasetProductionAnalysis()
Choose your work session type:
```

+-----+	
id	work_session_type
+-----+	
0	FastSim Official Production Analysis
1	FullSim Official Production Analysis
+-----+	

enter an integer or (q)uit: 0

```
In [8]:# chiave sbagliata
```

```
In [9]:j.inputdata.getDataset(prod_series='2010_September_311', prod_script='generics')
Error: column "prod_script" does not exist
LINE 1: SELECT * FROM fastsim_dataset_view WHERE true AND prod_scrip...
```

Maybe you meant any of these: ['id', 'prodscrip', 'generator', 'dg', 'background_mixing', 'analysis_type', 'status']

```
In [10]:# valore case-sbagliato
```

```
In [11]:j.inputdata.getDataset(prod_series='2010_September_311', prodscrip='generics')
```

+-----+						
id	generator	dg	background_mixing	analysis_type	status	
+-----+						
0	B0B0bar_generic	DG_4	MixSuperbBkg	HadRecoil	closed	
1	B0B0bar_generic	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed	
2	B0B0bar_generic	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed	
3	B0B0bar_generic	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed	
4	B+B-_generic	DG_4	MixSuperbBkg	HadRecoil	closed	
5	B+B-_generic	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed	
6	B+B-_generic	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed	
7	B+B-_generic	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed	
+-----+						

Choose the dataset:
enter an integer or (q)uit: q

```
In [12]:# valore case-sbagliato, solo i primi caratteri
```

```
In [13]:j.inputdata.getDataset(prod_series='2010_September_311', prodscrip='gener')
```

+-----+						
id	generator	dg	background_mixing	analysis_type	status	
+-----+						
0	B0B0bar_generic	DG_4	MixSuperbBkg	HadRecoil	closed	
1	B0B0bar_generic	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed	
2	B0B0bar_generic	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed	
3	B0B0bar_generic	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed	
4	B+B-_generic	DG_4	MixSuperbBkg	HadRecoil	closed	
5	B+B-_generic	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed	
6	B+B-_generic	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed	
7	B+B-_generic	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed	
+-----+						

Choose the dataset:
enter an integer or (q)uit: q

```
In [14]:# corretta
```

```
In [15]:j.inputdata.getDataset(prod_series='2010_September_311', prodscrip='Generics', background_mixing='MixSuperbBkg_NoPair')
```

+-----+				
id	generator	dg	analysis_type	status
+-----+				
0	B0B0bar_generic	DG_4	HadRecoil	closed
1	B0B0bar_generic	DG_4	SemiLepKplusNuNu	closed
2	B+B-_generic	DG_4	HadRecoil	closed
3	B+B-_generic	DG_4	SemiLepKplusNuNu	closed
+-----+				

Choose the dataset:
enter an integer or (q)uit: 0

Chosen dataset details:
{'analysis_type': u'HadRecoil',
'background_mixing': u'MixSuperbBkg_NoPair',
'creation_date': datetime.datetime(2012, 2, 13, 18, 10, 49, 885510),
'dataset_id': u'4f394214a328d55f29000043',
'dg': u'DG_4',
'evt_file': 50000,
'evt_tot': 91900000L,
'evt_tot_human': '91.9M',
'files': 1838L,
'generator': u'B0B0bar_generic',
'id': 0,
'occupancy': 123720808461L,
'occupancy_human': '115.2GiB',
'parameters': {u'dg': u'DG_4', u'tcl': u'MixSuperbBkg_NoPair', u'prodscrip': u'Generics', u'generator': u'B0B0bar_generic'},
'prod_series': u'2010_September_311',

```
'prodscript': u'Generics',
'request_name': u'ef793cbfc6d51c4309323ab50173f837',
'status': u'closed'}
```

Insert the minimum number of events that you need for your analysis (zero for all):
enter an integer or (q)uit: 510000

Total job input size: 700.8MiB
Total selected number of events (rounded up): 550.0K
Total number of involved lfns: 11

Insert the maximum number of events for each subjob. Remember:
- maximum output size is 2GiB.
- suggested maximum job duration 18h.
- maximum input size job is 10GiB.
- at least 50000 (that is the number of events of one file).
enter an integer or (q)uit: 270000

bilanciamento degli lfn tra i subjobs

Subjobs details:

id	list_path	size	events	number_lfns
0	/home/SUPERB/galvani/gangadir/workspace/galvani/LocalXML/131/input/list_0.txt	253.9MiB	200.0K	4
1	/home/SUPERB/galvani/gangadir/workspace/galvani/LocalXML/131/input/list_1.txt	256.0MiB	200.0K	4
2	/home/SUPERB/galvani/gangadir/workspace/galvani/LocalXML/131/input/list_2.txt	190.9MiB	150.0K	3

These subjobs input is very small, to improve the efficiency you could increase the numbers of events.
you can redefine the number of events per job re-launching j.inputdata.getDataset().

In [16]:# tutto il tabellone

In [17]:j.inputdata.getDataset()

id	prod_series	prodscript	generator	dg	background_mixing	analysis_type	status
0	2010_July	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_4	MixSuperbBkg_NoPair	HadRecoil	open
1	2010_July	HadRecoilCocktail	B0B0bar_SL	DG_4	PacProduction	HadRecoil	open
2	2010_September_307	BtoKNuNu	B0B0bar_K0nunu	DG_4	MixSuperbBkg	BtoKNuNu	closed
3	2010_September_307	BtoKNuNu	B0B0bar_K0nunu	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
4	2010_September_307	BtoKNuNu	B0B0bar_K0nunu	DG_4	MixSuperbBkg_NoPair	BtoKNuNu	closed
5	2010_September_307	BtoKNuNu	B0B0bar_K0nunu	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
6	2010_September_307	BtoKNuNu	B0B0bar_K0nunu	DG_4a	MixSuperbBkg_NoPair	BtoKNuNu	closed
7	2010_September_307	BtoKNuNu	B0B0bar_K0nunu	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
8	2010_September_307	BtoKNuNu	B+B-_K+nunu	DG_4	MixSuperbBkg	BtoKNuNu	closed
9	2010_September_307	BtoKNuNu	B+B-_K+nunu	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
10	2010_September_307	BtoKNuNu	B+B-_K+nunu	DG_4	MixSuperbBkg_NoPair	BtoKNuNu	closed
11	2010_September_307	BtoKNuNu	B+B-_K+nunu	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
12	2010_September_307	BtoKNuNu	B+B-_K+nunu	DG_4a	MixSuperbBkg	BtoKNuNu	closed
13	2010_September_307	BtoKNuNu	B+B-_K+nunu	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
14	2010_September_307	BtoKNuNu	B+B-_K+nunu	DG_4a	MixSuperbBkg_NoPair	BtoKNuNu	closed
15	2010_September_307	BtoKNuNu	B+B-_K+nunu	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
16	2010_September_307	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4	MixSuperbBkg	BtoKstarNuNu	closed
17	2010_September_307	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
18	2010_September_307	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4	MixSuperbBkg_NoPair	BtoKstarNuNu	closed
19	2010_September_307	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
20	2010_September_307	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4a	MixSuperbBkg	BtoKstarNuNu	closed
21	2010_September_307	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
22	2010_September_307	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4a	MixSuperbBkg_NoPair	BtoKstarNuNu	closed
23	2010_September_307	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
24	2010_September_307	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4	MixSuperbBkg	BtoKstarNuNu	closed
25	2010_September_307	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
26	2010_September_307	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4	MixSuperbBkg_NoPair	BtoKstarNuNu	closed
27	2010_September_307	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
28	2010_September_307	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4a	MixSuperbBkg	BtoKstarNuNu	closed
29	2010_September_307	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
30	2010_September_307	Generics	B0B0bar_generic	DG_4	MixSuperbBkg	HadRecoil	closed
31	2010_September_307	Generics	B0B0bar_generic	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
32	2010_September_307	Generics	B0B0bar_generic	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed
33	2010_September_307	Generics	B0B0bar_generic	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
34	2010_September_307	Generics	B+B-_generic	DG_4	MixSuperbBkg	HadRecoil	closed
35	2010_September_307	Generics	B+B-_generic	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
36	2010_September_307	Generics	B+B-_generic	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed
37	2010_September_307	Generics	B+B-_generic	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
38	2010_September_307	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_4	MixSuperbBkg	HadRecoil	closed
39	2010_September_307	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed
40	2010_September_307	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_4a	MixSuperbBkg_NoPair	HadRecoil	closed
41	2010_September_307	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_BaBar	MixBaBarBkg_NoPair	HadRecoil	closed
42	2010_September_307	HadRecoilCocktail	B+B-_Btag-HD_Cocktail	DG_4	MixSuperbBkg	HadRecoil	closed
43	2010_September_307	HadRecoilCocktail	B+B-_Btag-HD_Cocktail	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed
44	2010_September_307	HadRecoilCocktail	B+B-_Btag-HD_Cocktail	DG_4a	MixSuperbBkg_NoPair	HadRecoil	closed
45	2010_September_307	HadRecoilCocktail	B+B-_Btag-HD_Cocktail	DG_BaBar	MixBaBarBkg_NoPair	HadRecoil	closed
46	2010_September_307	KplusNuNu	B0B0bar_K0nunu_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
47	2010_September_307	KplusNuNu	B0B0bar_K0nunu_SL_e_mu_tau	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
48	2010_September_307	KplusNuNu	B0B0bar_K0nunu_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
49	2010_September_307	KplusNuNu	B0B0bar_Kstar0nunu_Kpi_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
50	2010_September_307	KplusNuNu	B0B0bar_Kstar0nunu_Kpi_SL_e_mu_tau	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
51	2010_September_307	KplusNuNu	B0B0bar_Kstar0nunu_Kpi_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
52	2010_September_307	KplusNuNu	B+B-_K+nunu_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
53	2010_September_307	KplusNuNu	B+B-_K+nunu_SL_e_mu_tau	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
54	2010_September_307	KplusNuNu	B+B-_K+nunu_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
55	2010_September_307	KplusNuNu	B+B-_K+nunu_SL_e_mu_tau	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
56	2010_September_307	KplusNuNu	B+B-_Kstar+nunu_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
57	2010_September_307	KplusNuNu	B+B-_Kstar+nunu_SL_e_mu_tau	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
58	2010_September_307	KplusNuNu	B+B-_Kstar+nunu_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
59	2010_September_307	KplusNuNu	B+B-_taunu_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
60	2010_September_307	KplusNuNu	B+B-_taunu_SL_e_mu_tau	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
61	2010_September_307	KplusNuNu	B+B-_taunu_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
62	2010_September_307	KplusNuNu	B+B-_taunu_SL_e_mu_tau	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed

63	2010_September_307	SLRecoilCocktail	B0B0bar_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
64	2010_September_307	SLRecoilCocktail	B0B0bar_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
65	2010_September_307	SLRecoilCocktail	B0B0bar_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
66	2010_September_307	SLRecoilCocktail	B0B0bar_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_BaBar	MixBaBarBkg_NoPair	SemiLepKplusNuNu	closed
67	2010_September_307	SLRecoilCocktail	B+B-_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
68	2010_September_307	SLRecoilCocktail	B+B-_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
69	2010_September_307	SLRecoilCocktail	B+B-_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
70	2010_September_307	SLRecoilCocktail	B+B-_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_BaBar	MixBaBarBkg_NoPair	SemiLepKplusNuNu	closed
71	2010_September_311	BtoKNuNu	B0B0bar_K0nunu	DG_4	MixSuperbBkg	BtoKNuNu	closed
72	2010_September_311	BtoKNuNu	B0B0bar_K0nunu	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
73	2010_September_311	BtoKNuNu	B0B0bar_K0nunu	DG_4a	MixSuperbBkg	BtoKNuNu	closed
74	2010_September_311	BtoKNuNu	B0B0bar_K0nunu	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
75	2010_September_311	BtoKNuNu	B0B0bar_K0nunu	DG_4a	MixSuperbBkg_NoPair	BtoKNuNu	closed
76	2010_September_311	BtoKNuNu	B0B0bar_K0nunu	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
77	2010_September_311	BtoKNuNu	B+B-_K+nunu	DG_4	MixSuperbBkg	BtoKNuNu	closed
78	2010_September_311	BtoKNuNu	B+B-_K+nunu	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
79	2010_September_311	BtoKNuNu	B+B-_K+nunu	DG_4a	MixSuperbBkg	BtoKNuNu	closed
80	2010_September_311	BtoKNuNu	B+B-_K+nunu	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
81	2010_September_311	BtoKNuNu	B+B-_K+nunu	DG_4a	MixSuperbBkg_NoPair	BtoKNuNu	closed
82	2010_September_311	BtoKNuNu	B+B-_K+nunu	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
83	2010_September_311	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4	MixSuperbBkg	BtoKstarNuNu	closed
84	2010_September_311	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
85	2010_September_311	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4a	MixSuperbBkg	BtoKstarNuNu	closed
86	2010_September_311	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
87	2010_September_311	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4a	MixSuperbBkg_NoPair	BtoKstarNuNu	closed
88	2010_September_311	BtoKstarNuNu	B0B0bar_Kstar0nunu_Kpi	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
89	2010_September_311	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4	MixSuperbBkg	BtoKstarNuNu	closed
90	2010_September_311	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
91	2010_September_311	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4a	MixSuperbBkg	BtoKstarNuNu	closed
92	2010_September_311	BtoKstarNuNu	B+B-_Kstar+nunu	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
93	2010_September_311	Generics	B0B0bar_generic	DG_4	MixSuperbBkg	HadRecoil	closed
94	2010_September_311	Generics	B0B0bar_generic	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
95	2010_September_311	Generics	B0B0bar_generic	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed
96	2010_September_311	Generics	B0B0bar_generic	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
97	2010_September_311	Generics	B+B-_generic	DG_4	MixSuperbBkg	HadRecoil	closed
98	2010_September_311	Generics	B+B-_generic	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
99	2010_September_311	Generics	B+B-_generic	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed
100	2010_September_311	Generics	B+B-_generic	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
101	2010_September_311	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_4	MixSuperbBkg	HadRecoil	closed
102	2010_September_311	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed
103	2010_September_311	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_4a	MixSuperbBkg_NoPair	HadRecoil	closed
104	2010_September_311	HadRecoilCocktail	B0B0bar_Btag-HD_Cocktail	DG_BaBar	MixBaBarBkg_NoPair	HadRecoil	closed
105	2010_September_311	HadRecoilCocktail	B+B-_Btag-HD_Cocktail	DG_4	MixSuperbBkg	HadRecoil	closed
106	2010_September_311	HadRecoilCocktail	B+B-_Btag-HD_Cocktail	DG_4	MixSuperbBkg_NoPair	HadRecoil	closed
107	2010_September_311	HadRecoilCocktail	B+B-_Btag-HD_Cocktail	DG_4a	MixSuperbBkg_NoPair	HadRecoil	closed
108	2010_September_311	HadRecoilCocktail	B+B-_Btag-HD_Cocktail	DG_BaBar	MixBaBarBkg_NoPair	HadRecoil	closed
109	2010_September_311	KplusNuNu	B0B0bar_K0nunu_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
110	2010_September_311	KplusNuNu	B0B0bar_K0nunu_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
111	2010_September_311	KplusNuNu	B0B0bar_K0nunu_SL_e_mu_tau	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
112	2010_September_311	KplusNuNu	B0B0bar_Kstar0nunu_Kpi_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
113	2010_September_311	KplusNuNu	B0B0bar_Kstar0nunu_Kpi_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
114	2010_September_311	KplusNuNu	B+B-_K+nunu_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
115	2010_September_311	KplusNuNu	B+B-_K+nunu_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
116	2010_September_311	KplusNuNu	B+B-_Kstar+nunu_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
117	2010_September_311	KplusNuNu	B+B-_Kstar+nunu_SL_e_mu_tau	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
118	2010_September_311	KplusNuNu	B+B-_Kstar+nunu_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
119	2010_September_311	KplusNuNu	B+B-_taunu_SL_e_mu_tau	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
120	2010_September_311	KplusNuNu	B+B-_taunu_SL_e_mu_tau	DG_4a	MixSuperbBkg	SemiLepKplusNuNu	closed
121	2010_September_311	SLRecoilCocktail	B0B0bar_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
122	2010_September_311	SLRecoilCocktail	B0B0bar_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
123	2010_September_311	SLRecoilCocktail	B0B0bar_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
124	2010_September_311	SLRecoilCocktail	B0B0bar_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_BaBar	MixBaBarBkg_NoPair	SemiLepKplusNuNu	closed
125	2010_September_311	SLRecoilCocktail	B+B-_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4	MixSuperbBkg	SemiLepKplusNuNu	closed
126	2010_September_311	SLRecoilCocktail	B+B-_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
127	2010_September_311	SLRecoilCocktail	B+B-_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_4a	MixSuperbBkg_NoPair	SemiLepKplusNuNu	closed
128	2010_September_311	SLRecoilCocktail	B+B-_Btag-SL_e_mu_tau_Bsig-HD_SL_Cocktail	DG_BaBar	MixBaBarBkg_NoPair	SemiLepKplusNuNu	closed

Choose the dataset:
enter an integer or (q)uit: 96

Chosen dataset details:
{'analysis_type': u'SemiLepKplusNuNu',
'background_mixing': u'MixSuperbBkg_NoPair',
'creation_date': datetime.datetime(2012, 2, 13, 18, 10, 49, 885510),
'dataset_id': u'4f394214a328d55f290000a5',
'dg': u'DG_4',
'evt_file': 50000,
'evt_tot': 91900000L,
'evt_tot_human': '91.9M',
'files': 1838L,
'generator': u'B0B0bar_generic',
'id': 96,
'occupancy': 322320570690L,
'occupancy_human': '300.2GiB',
'parameters': {u'dg': u'DG_4', u'tcl': u'MixSuperbBkg_NoPair', u'prodscrip': u'Generics', u'generator': u'B0B0bar_generic'},
'prod_series': u'2010_September_311',
'prodscrip': u'Generics',
'request_name': u'ef793cbfc6d51c4309323ab50173f837',
'status': u'closed'}

Insert the minimum number of events that you need for your analysis (zero for all):
enter an integer or (q)uit: 510000

Total job input size: 1.8GiB
Total selected number of events (rounded up): 550.0K
Total number of involved lfns: 11

Insert the maximum number of events for each subjob. Remember:
- maximum output size is2GiB.

- suggested maximum job duration 18h.
- maximum input size job is 10GiB.
- at least 50000 (that is the number of events of one file).
enter an integer or (q)uit: 270000

Subjobs details:

id	list_path	size	events	number_lfns
0	/home/SUPERB/galvani/gangadir/workspace/galvani/LocalXML/131/input/list_0.txt	667.8MiB	200.0K	4
1	/home/SUPERB/galvani/gangadir/workspace/galvani/LocalXML/131/input/list_1.txt	669.5MiB	200.0K	4
2	/home/SUPERB/galvani/gangadir/workspace/galvani/LocalXML/131/input/list_2.txt	502.6MiB	150.0K	3

These subjobs input is very small, to improve the efficiency you could increase the numbers of events.
you can redefine the number of events per job re-launching j.inputdata.getDataset().

```
In [18]:j.splitter = SuperBBulkSubmission()
# istruzioni relative al merger nascoste all'utente

In [19]:j.backend=LCG()

In [20]:j.submit()
```

Eliminati completamente i metodi per settare il runsite. SuperBInputDatasetProductionAnalysis conosce i siti su cui risiede il dataset o su cui risiedono tutte le repliche, il backend LCG utilizzerà queste informazioni per impostare i requirement.

Eliminata inoltre SetOutputSite(). Ora il sito di output è specificato nel file di configurazione di ganga.

Alcuni dettagli del job

```
inputdata = SuperBInputDatasetProductionAnalysis (
    input_mode = 'list' ,
    number_of_subjobs = 3 ,
    input_path = [File(name='/home/SUPERB/galvani/gangadir/workspace/galvani/LocalXML/131/input/list_0.txt',subdir='.'),
File(name='/home/SUPERB/galvani/gangadir/workspace/galvani/LocalXML/131/input/list_1.txt',subdir='.'),
File(name='/home/SUPERB/galvani/gangadir/workspace/galvani/LocalXML/131/input/list_2.txt',subdir='.')] ,
    runSite = [u'IN2P3-CC', u'INFN-T1', u'RAL-LCG2'] ,
    source_sim_type = 'fastsim'
) ,

    other = [ (other.GlueCEInfoHostName == "ccccreamceli09.in2p3.fr") || (other.GlueCEInfoHostName == "ccccreamceli10.in2p3.fr") ||
(other.GlueCEInfoHostName == "ce01-lcg.cr.cnaf.infn.it") || (other.GlueCEInfoHostName == "ce05-lcg.cr.cnaf.infn.it") || (other.GlueCEInfoHostName == "ce06-
lcg.cr.cnaf.infn.it")] ,
```