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ANTARES analysis

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Generating the text file from Lyon

....

```
ofstream outputfile;
```

```
outputfile.open("data.txt");
```

```
outputfile << run << " " << ev << " " << tchi2 << endl;
```

```
outputfile.close();
```

....

.

Getting common events of two files

```
void ratio()
{
    ifstream file1, file2;

    //ouvrir les deux fichiers
    file1.open("data_free_1.txt");
    file2.open("data_fixed_1.txt");

    //définir les différentes colonnes des fichiers
    Int_t run1, run2, ev1, ev2;
    Double_t betatchi2, nbetatchi2;

    int nline1=0, nline2=0;

    //TH1F *h1 = new TH1F("h1", "monopole tchi2", 100, 0, 20);
}
```

Getting common events of two files

```
//loop sur le premier fichier
while(!file1.eof())
{
file1>>run1>>ev1>>betatchi2;

//loop sur le deuxième fichier
while(!file2.eof())
{
file2>>run2>>ev2>>nbetatchi2;

if(ev2==ev1) //compraison des numéros d'événements
{
cout << ev2 << '\n'; //affichage des événements communs
}

nline2++;
}
nline1++;
}
}
```