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Subject: Re: getting run\_rutherford to calculate eta parameter  
Posted by [Radoslaw Karabowicz](#) on Wed, 14 Nov 2012 21:59:56 GMT  
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Dear Raphael,

If you need some extra variable to be written to the root file,  
then:

1. you have to edit FairRutherfordPoint.h and add the variable  
in question to the private members, f.e.:

```
Float_t fEta;
```

2. edit the FairRutherfordPoint.cxx and set the value  
of the variable in the constructors, preferably after the places  
when the fTheta values are set:

```
fEta = -TMath::Log(TMath::Tan(fTheta/2.));
```

3. recompile

4. run the macro

Hopefully you will get the variable in the output tree as fEta.

yours  
radek

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