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Subject: Re: RhoError class in pandaroot

Posted by [Elisabetta Prencipe \(2\)](#) on Tue, 03 Jun 2014 11:12:08 GMT

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Hi Ralf,

thank you for your reply. So you confirm that for additional (basic) kimenatic variables nothing is already implemented. Then, I will do myself. no problem!

So, instead of Cov7(), you suggest the use of P4Cov(), where:

cov[0][0] is the variance for px

cov[1][1] is the variance for py

cov[2][2] is the variance for pz

cov[3][3] is the variance for E

Actually I checked, and I found that if I use Cov7(), and I evaluate cov[3][3], cov[4][4], cov[5][5] and cov[6][6],

or

if I use P4Cov(), as you suggested, to evaluate the variance of px,py,pz,E respectively, as indicated in my previous posting, results are identical, as expected. This is the output for the px variance, if I run in my macro Cov7(3,3) left side, or P4Cov(0,0) right side.

```
4.7454e-05, 4.7454e-05
7.9324e-05, 7.9324e-05
0.00021817, 0.00021817
0.000140595, 0.000140595
1.7677e-05, 1.7677e-05
0.000121126, 0.000121126
0.000230273, 0.000230273
0.000486443, 0.000486443
2.26079e-05, 2.26079e-05
1.85428e-05, 1.85428e-05
0.000152567, 0.000152567
```

cheers, Elisabetta

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