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Subject: Need help with a plot

Posted by [Julie Maria Lykke](#) on Sat, 16 Jun 2012 10:30:04 GMT

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Hi!

So initially my problem was that when I am making a eps. figure the ytitle is "cut out of the image", because there is no room for it, as the numbers on the y-axis takes up too much space. I have tried to vary different parameter, and making the image smaller - but that doesn't help. My image shows something which is in the range of

yrange=[-0.5e-025,6e-025]

I worked around it by multiplying with 1e25, and the ytitle now fits. But then I need to add the '10^-25' on the actual ytitle, which just looks silly. I was wondering if there is a way to make it look better, so that the -25 is lifted (like you would see in Matlab when writing 10^{-25})?

Here is my initial code

```
SET_PLOT, 'PS'
DEVICE, xs = 15, ys = 10, /Inches, font_size=2,
FILENAME="autokorr.eps"
DEVICE, /color, SET_CHARACTER_SIZE=[500,700]
col = getcolor(/load)
DEVICE, /ISOLATIN1
plot,f,auto,xrange=[0,100],yrange=[-0.5e-025,6e-025],title=' Autocorrelation
for star',$
ytitle='Autocorrelations function [arb. unit]',xtitle='Frequency
['+Greek('mu')+Hz]'
DEVICE, /CLOSE_FILE
```

Then trying to work around it

```
SET_PLOT, 'PS'
DEVICE, xs = 15, ys = 10, /Inches, font_size=2,
FILENAME="autokorr.eps"
DEVICE, /color, SET_CHARACTER_SIZE=[500,700]
col = getcolor(/load)
DEVICE, /ISOLATIN1
plot,f,auto*1e25,xrange=[0,100],yrange=[-0.5e-025,6e-025],title='Autocorrelation
for star',$
ytitle='Autocorrelation function*10^-25 [arb. unit]',xtitle='Frequency
['+Greek('mu')+Hz]'
DEVICE, /CLOSE_FILE
```

So it works, but looks unprofessional. Any advice on either problem?

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