

VIS tools for commissioning

A. Shoda, on behalf of VIS group

Time to work on Commissioning!

Use the tools introduced below to speed up the commissioning!

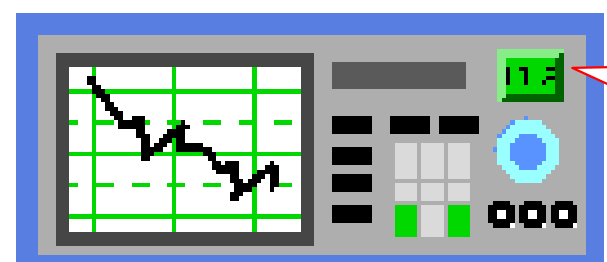
Any suggestions, requests, questions are also welcome ☺

Auto measurement

In order to let you know the current suspension status easily, we prepared the template files for the measurements. The templates and measured date is stored in the directory: /kagra/Dropbox/Subsystems/VIS/AutoMeasurement/.

Spectra measurement

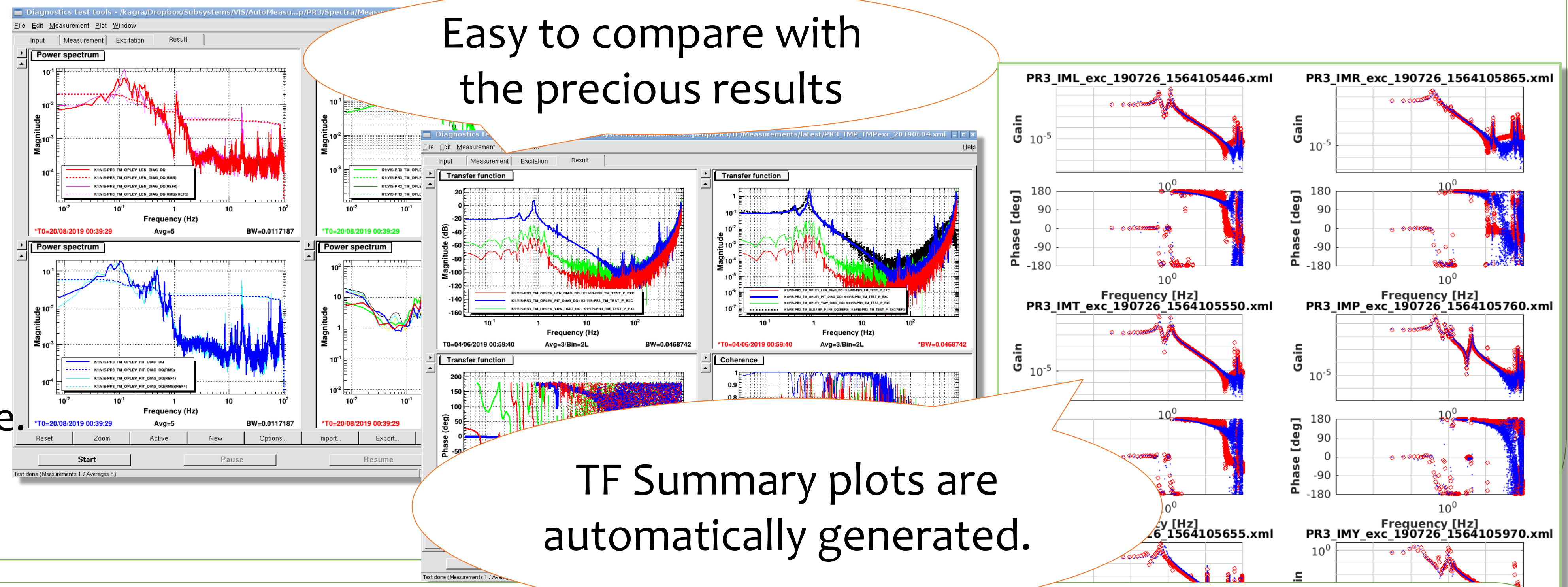
Sitemap → VIS → overview
Find this icon ↓



CLICK

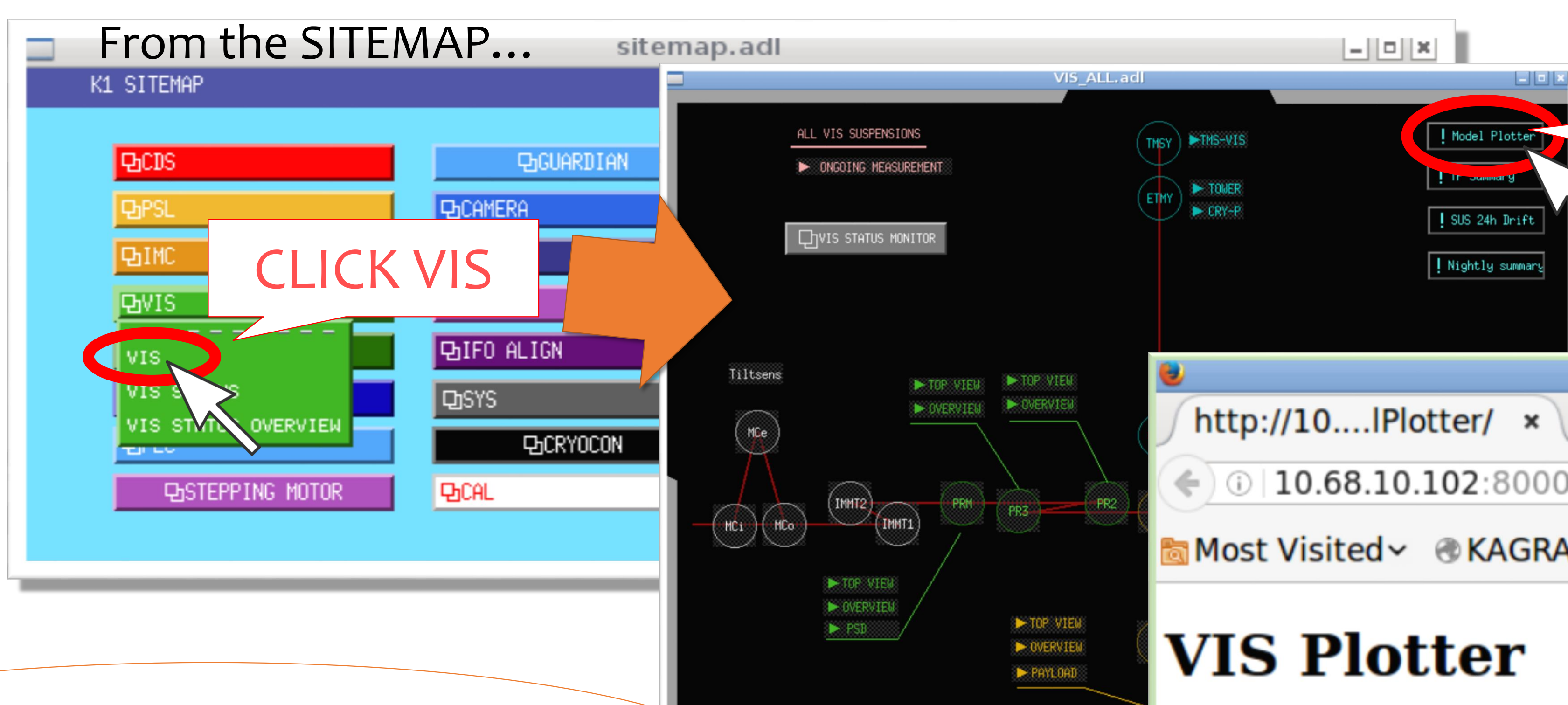
TF measurement

Run the bash script from the command line.
(See VIS wiki page for the details.)

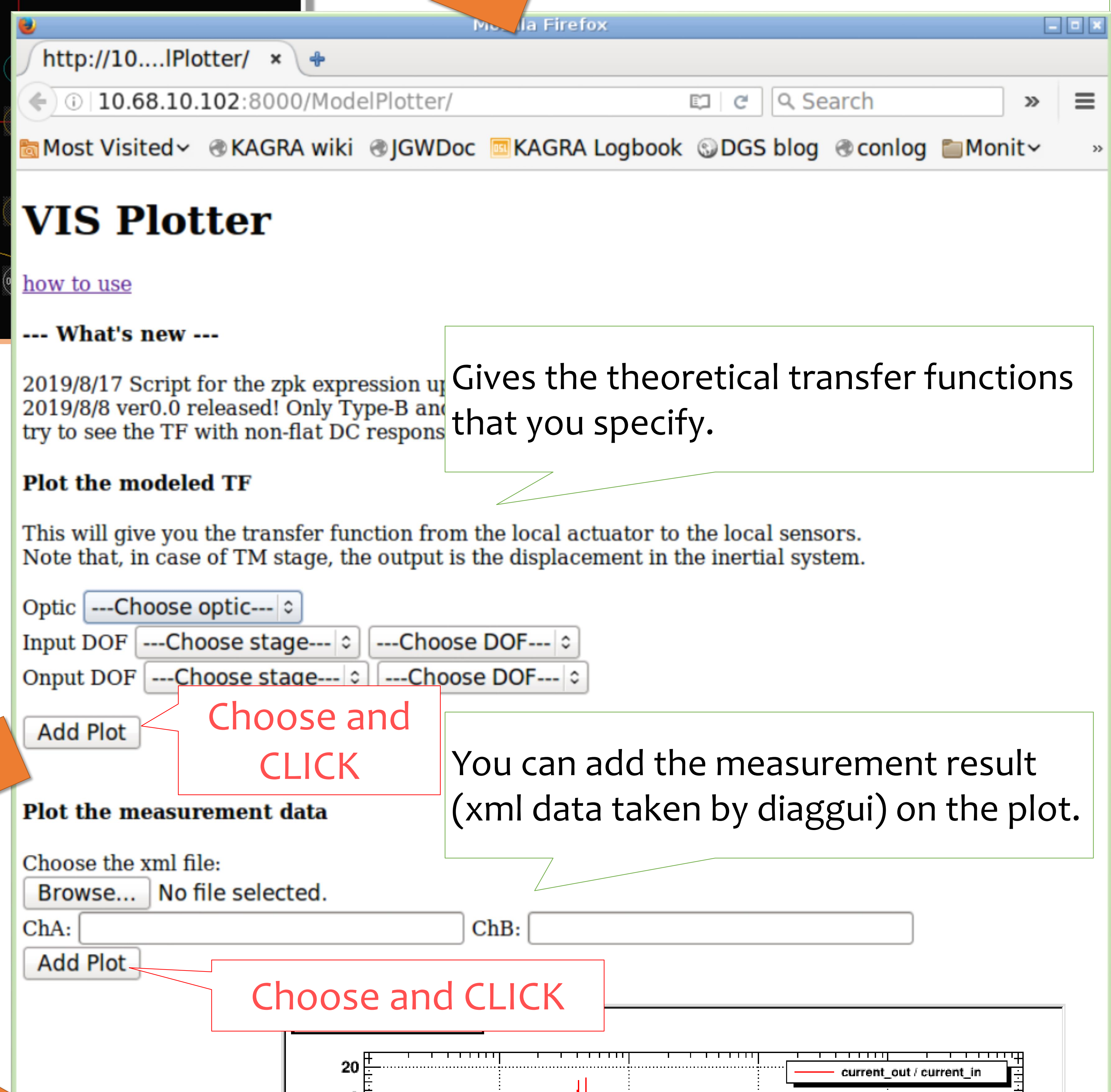


Model plotter

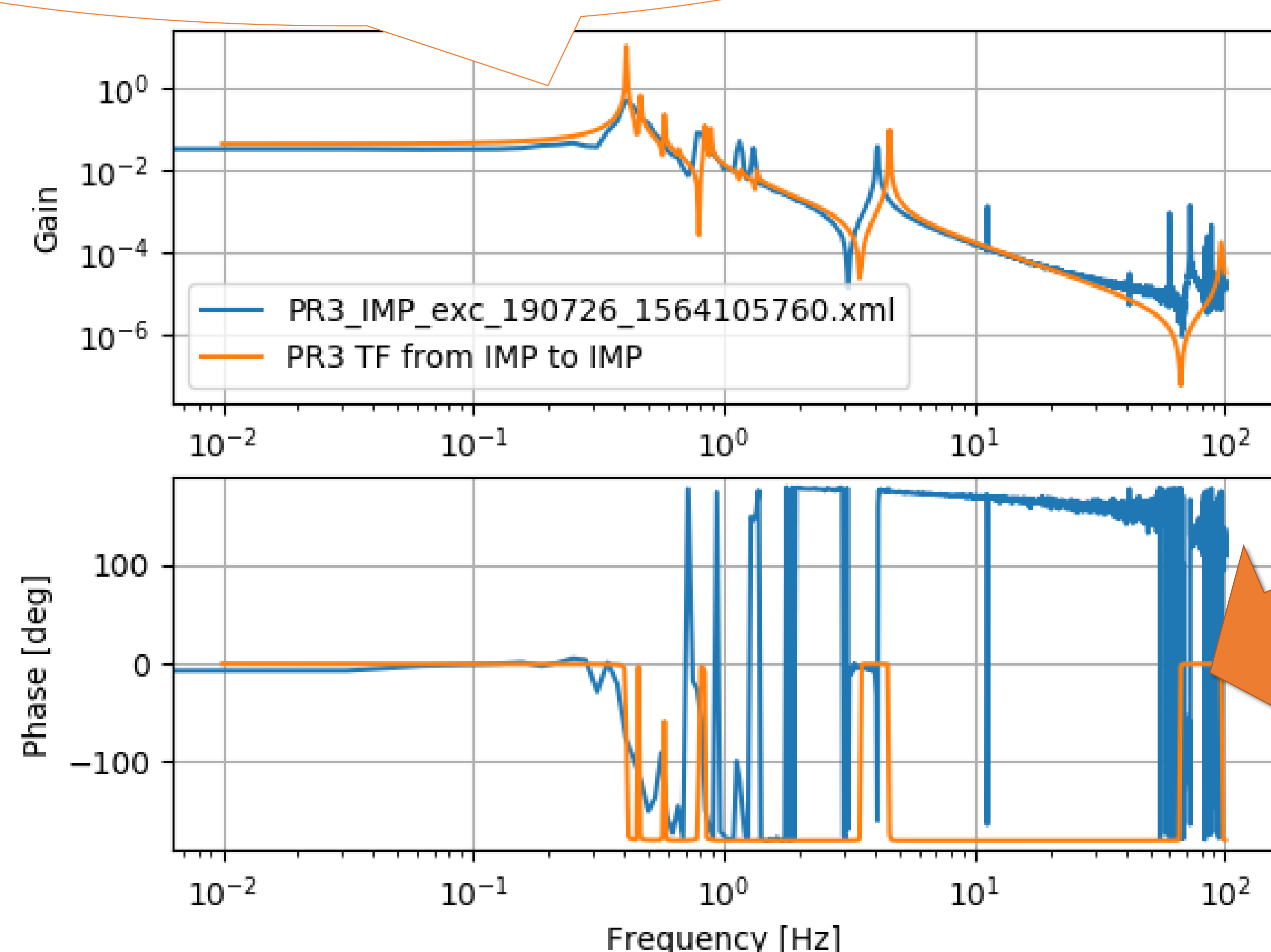
It is a web app to give you the modeled suspension response. It is very easy to use (I think)!



CLICK
Model Plotter



Shows the plot of the modeled TF and measured data



ZPK expression for foton:

```
zpk([-0.0109+66.357i;-0.0109-66.357i;-0.0008+3.4979i;-0.0008-3.4979i;-0.0001+1.3404i;-0.0001-1.3404i;-0.0001+1.1551i;-0.0001-1.1551i;-0.0001+0.8783i;-0.0001-0.8783i;-0.0007+0.7942i;-0.0007-0.7942i;-0.0001+0.4534i;-0.0001-0.4534i;-0.0007+0.5752i;-0.0007-0.5752i;0+0.6565i;0-0.6565i], [0.0252-96.9022i;0.0252+96.9022i;0.0007-4.5775i;0.0007+4.5775i;0.0001-1.3472i])
```

Clear Plot

Copy and paste it to Foton. It makes designing control filters easy.

Future upgrade plan:

include Type-As!

Make the response faster...

