

AUTOMATIC COLLIMATOR IMPEDANCE COMPUTATIONS

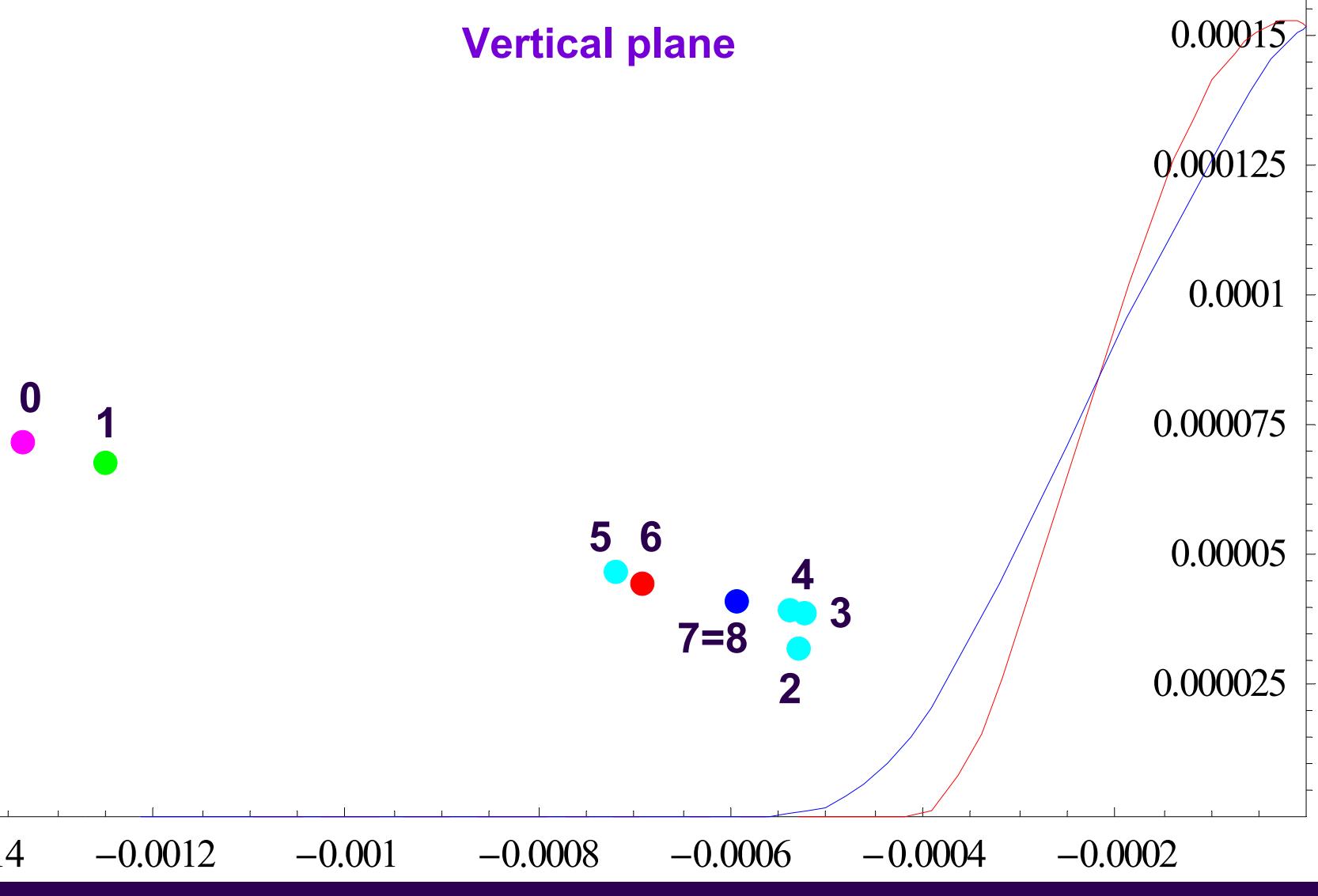
E. Metral

◆ Results (without coating) for Options 0 to 8

- 7 and 8 are the same (same Excel file !)
- The plot for 8 was wrong last week

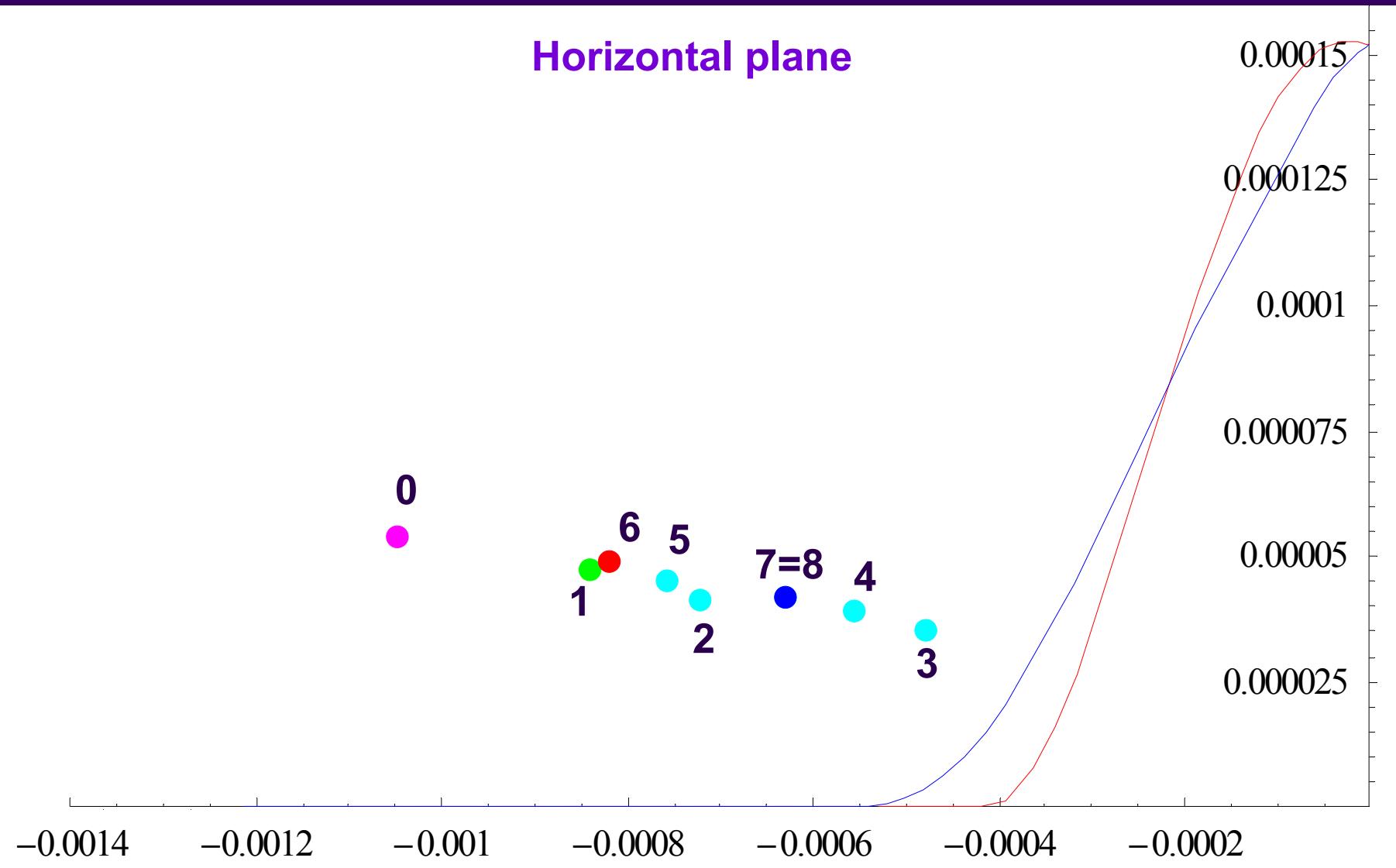
**Stability diagram (maximum octupoles) and collective tune shift
for the most unstable coupled-bunch mode and head-tail mode 0
(1.1×10^{11} p/b at 7 TeV)**

Vertical plane

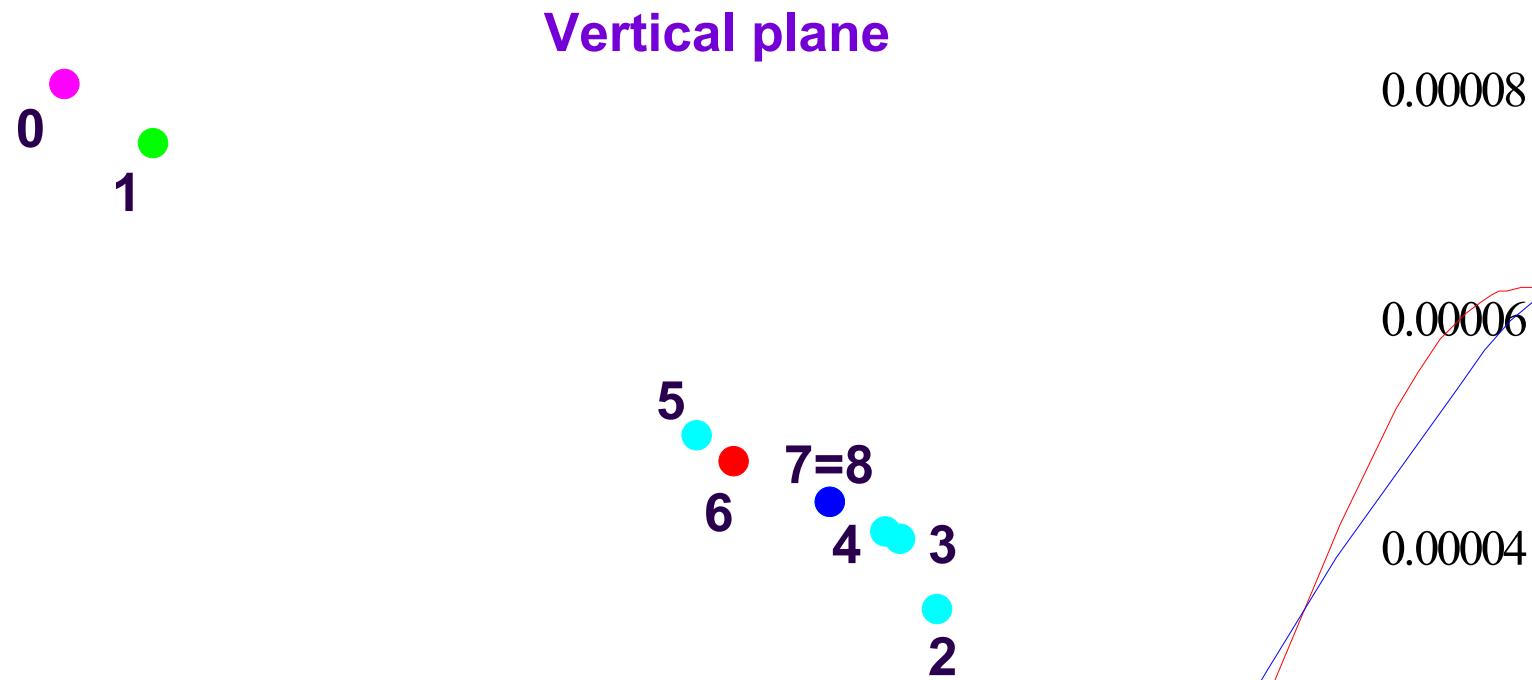


**Stability diagram (maximum octupoles) and collective tune shift
for the most unstable coupled-bunch mode and head-tail mode 0
(1.1×10^{11} p/b at 7 TeV)**

Horizontal plane

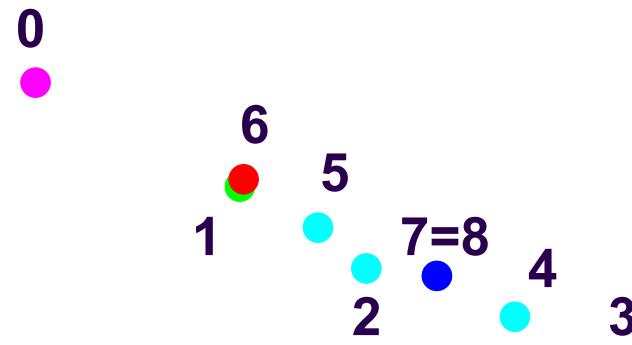


**Stability diagram (maximum octupoles) and collective tune shift
for the most unstable coupled-bunch mode and head-tail mode 0
($1.1\text{e}11$ p/b at 450 GeV)**



**Stability diagram (maximum octupoles) and collective tune shift
for the most unstable coupled-bunch mode and head-tail mode 0
(1.1×10^{11} p/b at 450 GeV)**

Horizontal plane



0.00008
0.00006
0.00004
0.00002

-0.0005 -0.0004 -0.0003 -0.0002 -0.0001