

AUTOMATIC COLLIMATOR IMPEDANCE COMPUTATIONS

E. Metral

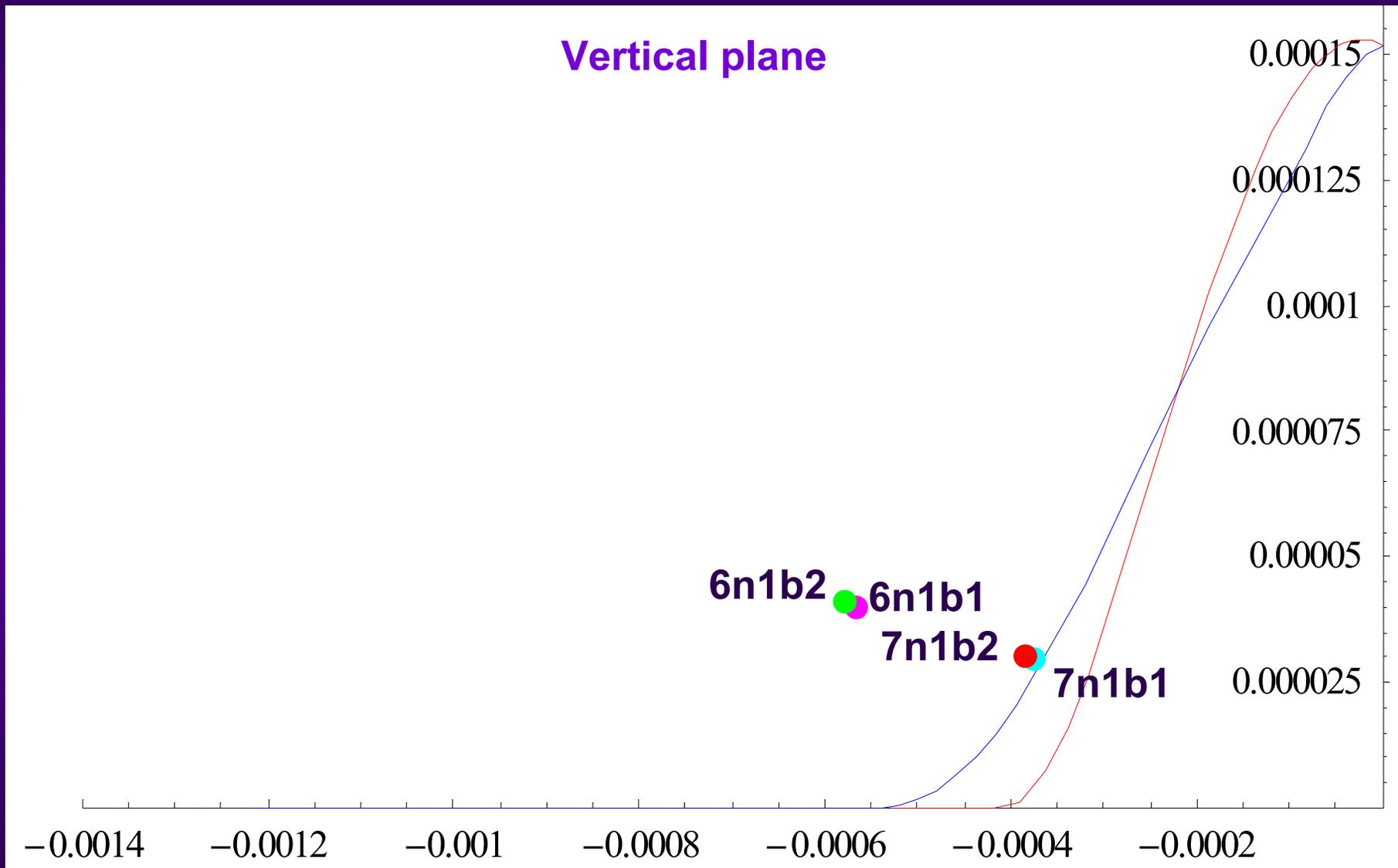
- ◆ **Results (without coating) for the final IR7 optics (v26)
(This does not include IR3 !)**
⇒ **v26inj6n1b1, v26inj6n1b2, v26inj7n1b1, v26inj7n1b2,
v26top6n1b1, v26top6n1b2, v26top7n1b1, v26top7n1b2**

$_top / _inj = 7 \text{ TeV or } 450 \text{ GeV}$

$_b1 / _b2 = \text{Beam 1 or beam 2}$

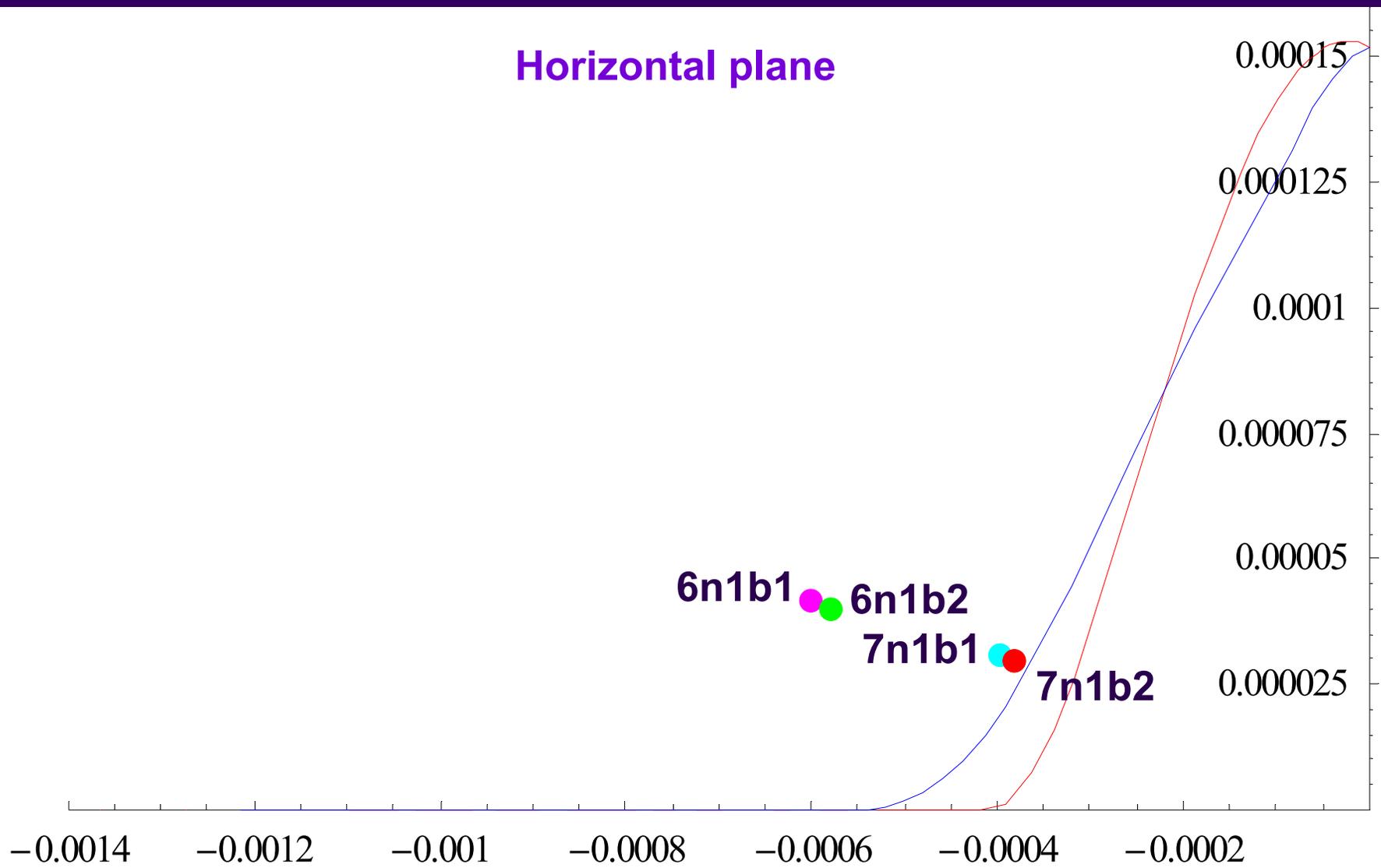
$_6n1 / _7n1 = \text{Collimator settings } 6/7 \text{ sigma or } 7/8.2\text{sigma}$

Stability diagram (maximum octupoles) and collective tune shift for the most unstable coupled-bunch mode and head-tail mode 0 (1.1e11 p/b at 7 TeV)



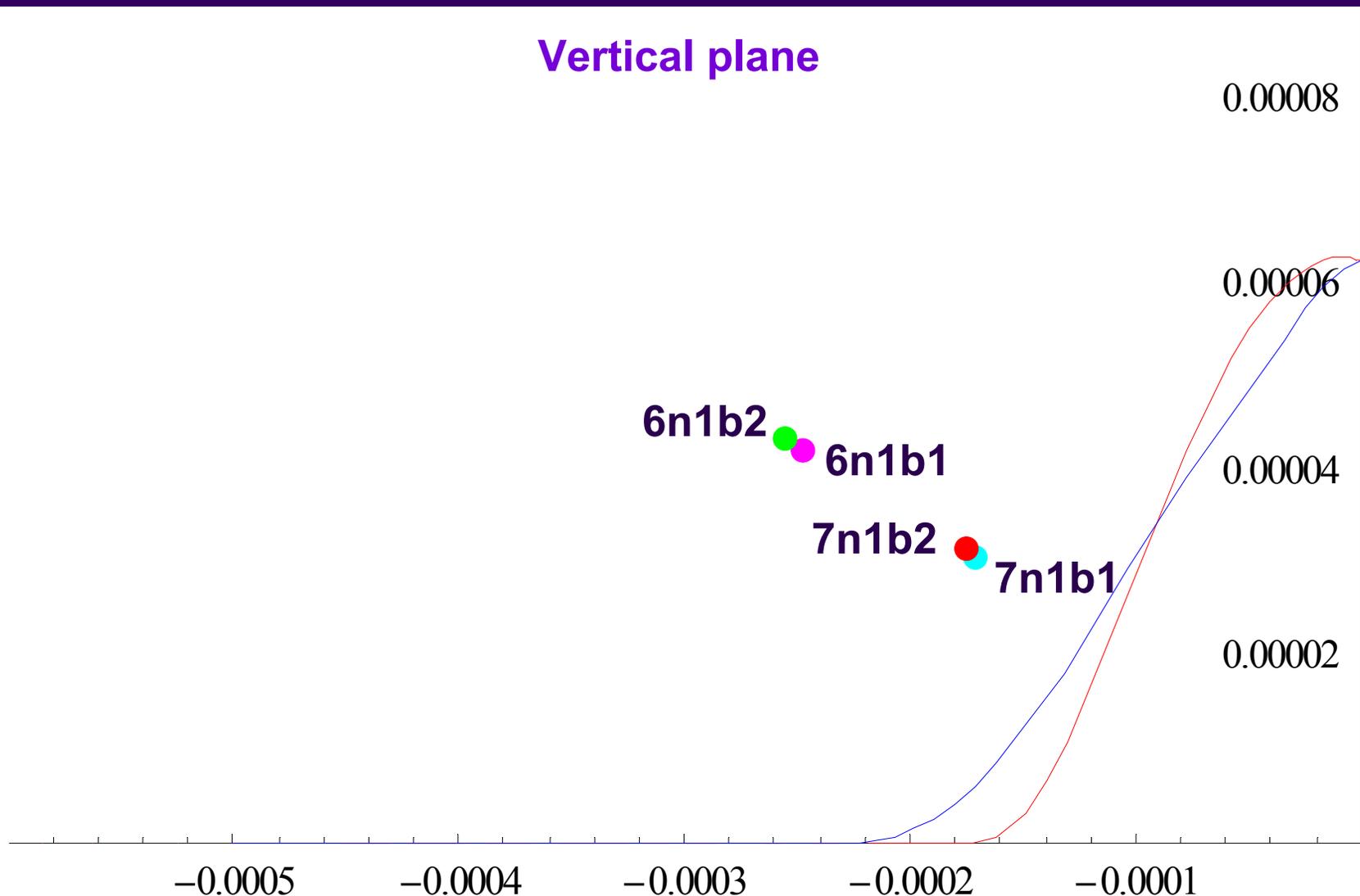
Stability diagram (maximum octupoles) and collective tune shift for the most unstable coupled-bunch mode and head-tail mode 0 (1.1e11 p/b at 7 TeV)

Horizontal plane



Stability diagram (maximum octupoles) and collective tune shift for the most unstable coupled-bunch mode and head-tail mode 0 (1.1e11 p/b at 450 GeV)

Vertical plane



Stability diagram (maximum octupoles) and collective tune shift for the most unstable coupled-bunch mode and head-tail mode 0 (1.1e11 p/b at 450 GeV)

Horizontal plane

