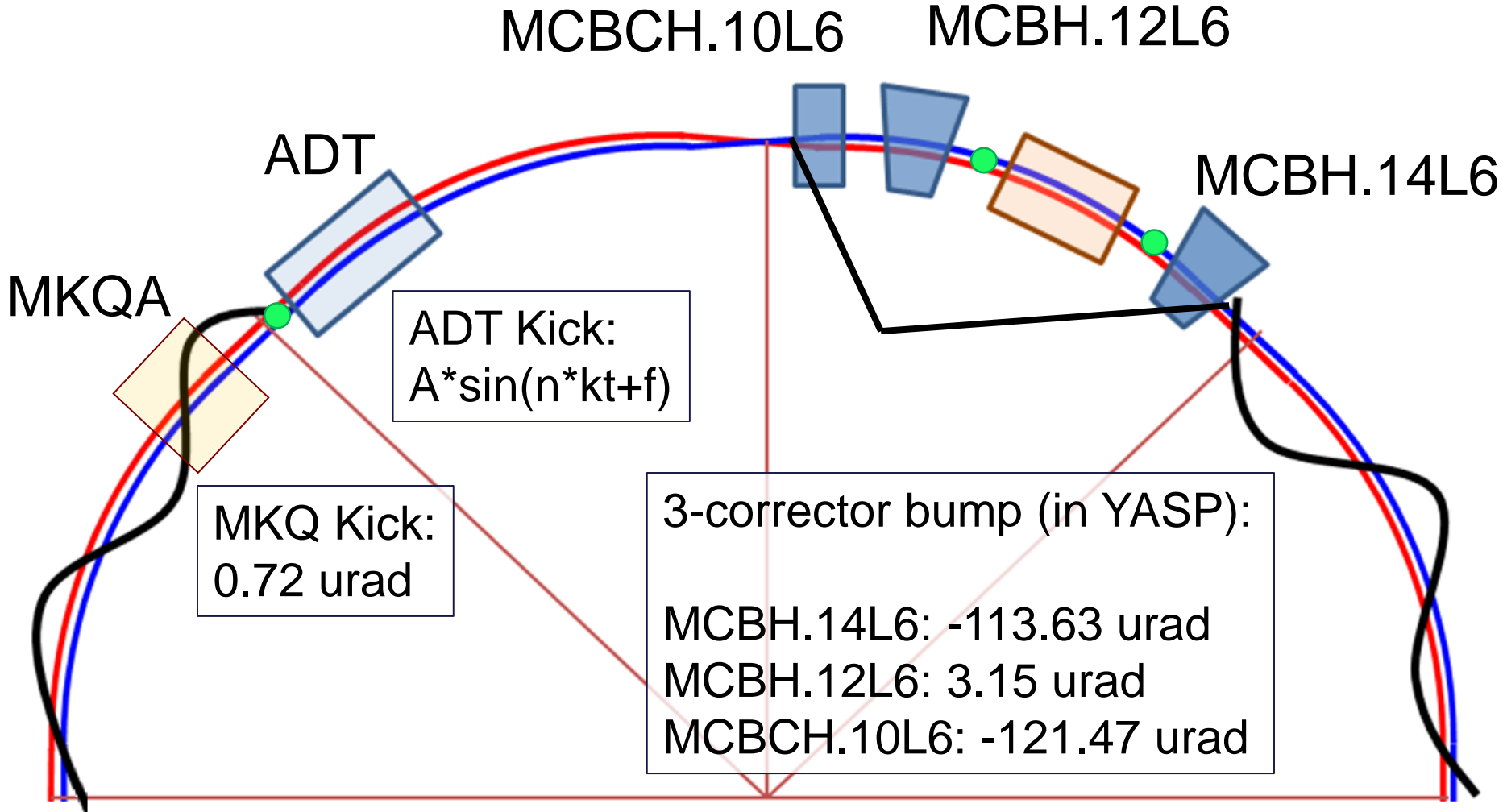


Potential beam screen damage during quench tests

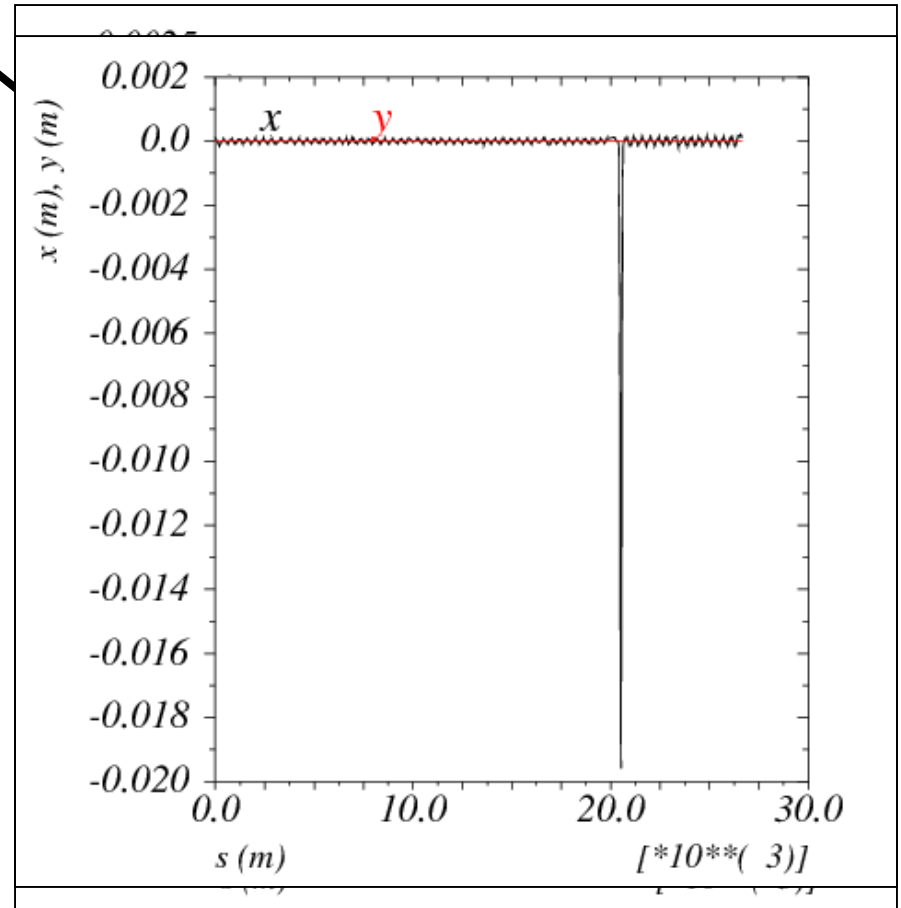
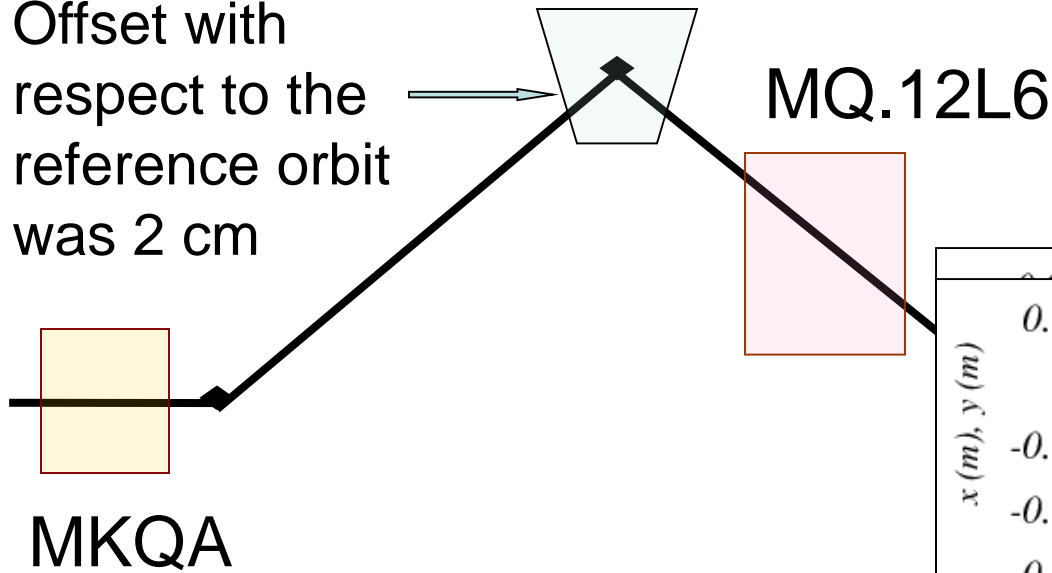
Results of the MADX simulations

Vera Chetvertkova

Many thanks to Werner and Tobias



Offset with respect to the reference orbit was 2 cm



3-corrector bump
(in MADX, thin lenses):

MCBH.14L6: -112.47 urad

MCBH.12L6: 5.60 urad

MCBCH.10L6: -118.91 urad

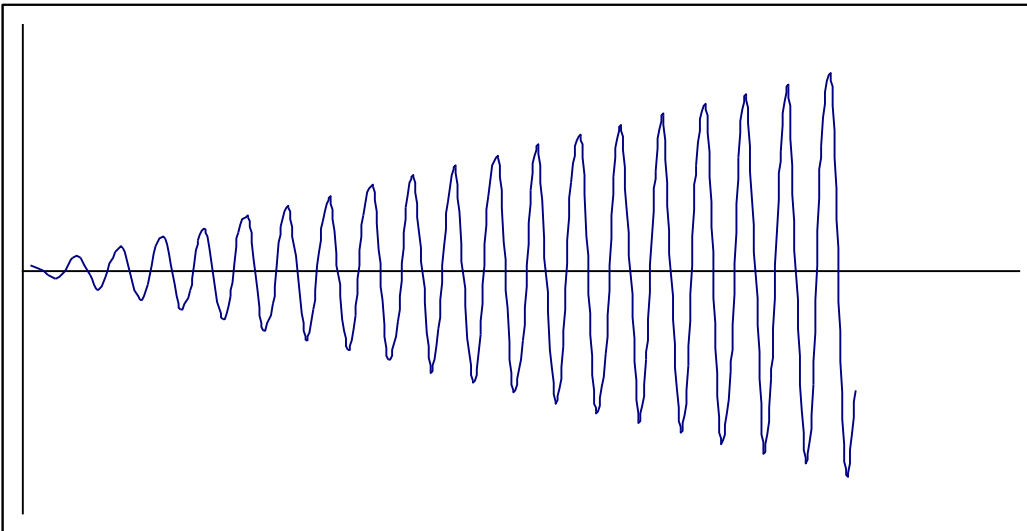
ADT Kick:
 $A \cdot \sin(n \cdot kt + f)$

A – amplitude of a single kick (?)

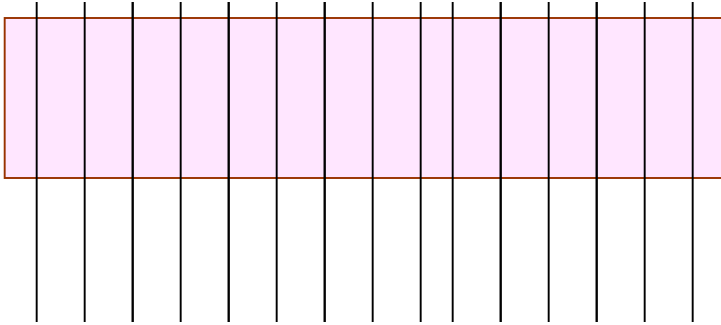
kt – tune value; to maximize the excitation

f – phase (any number)

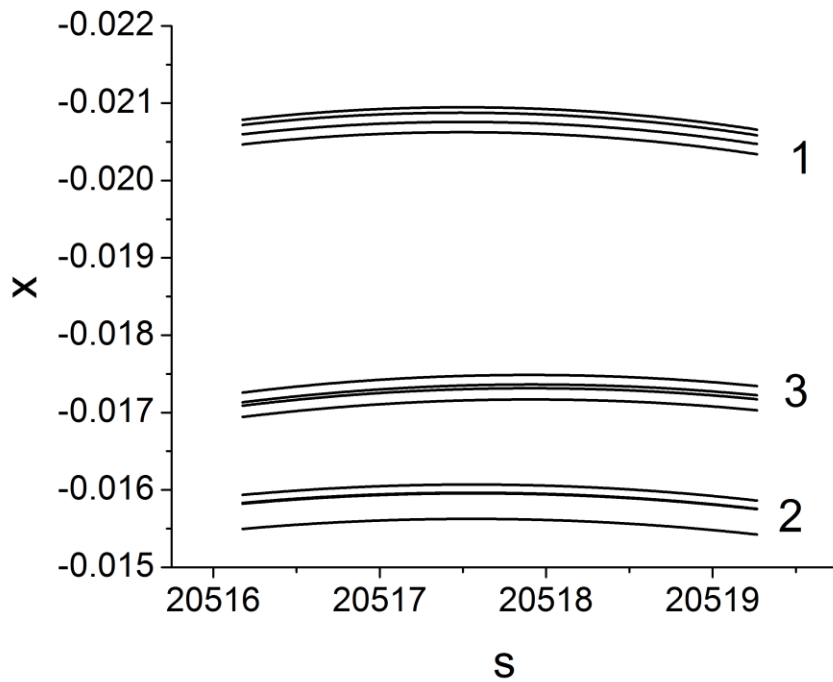
n – number of the turn

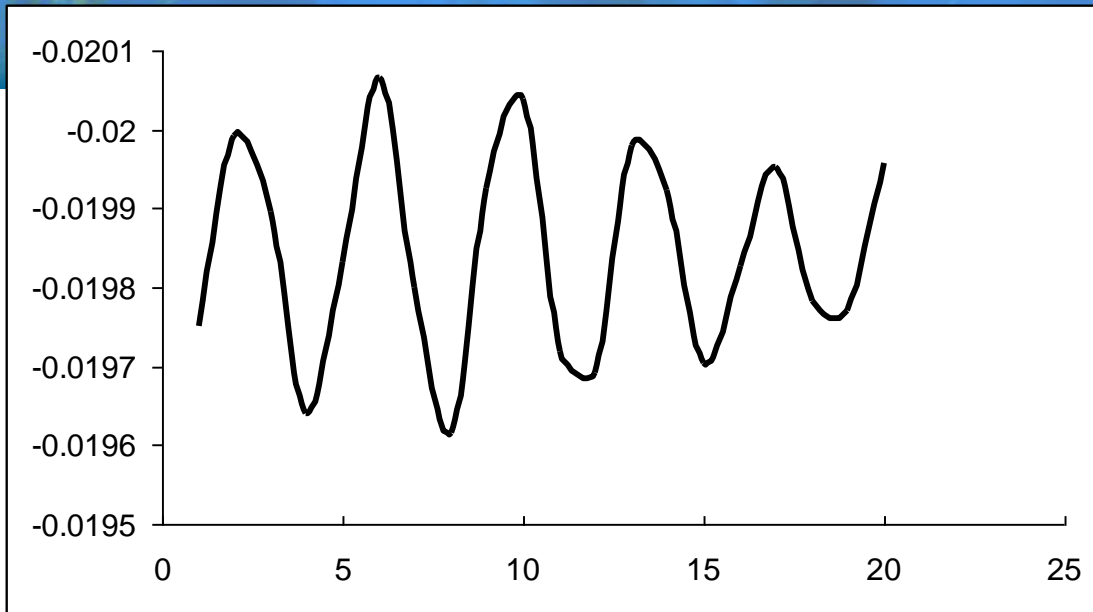


MQ.12L6

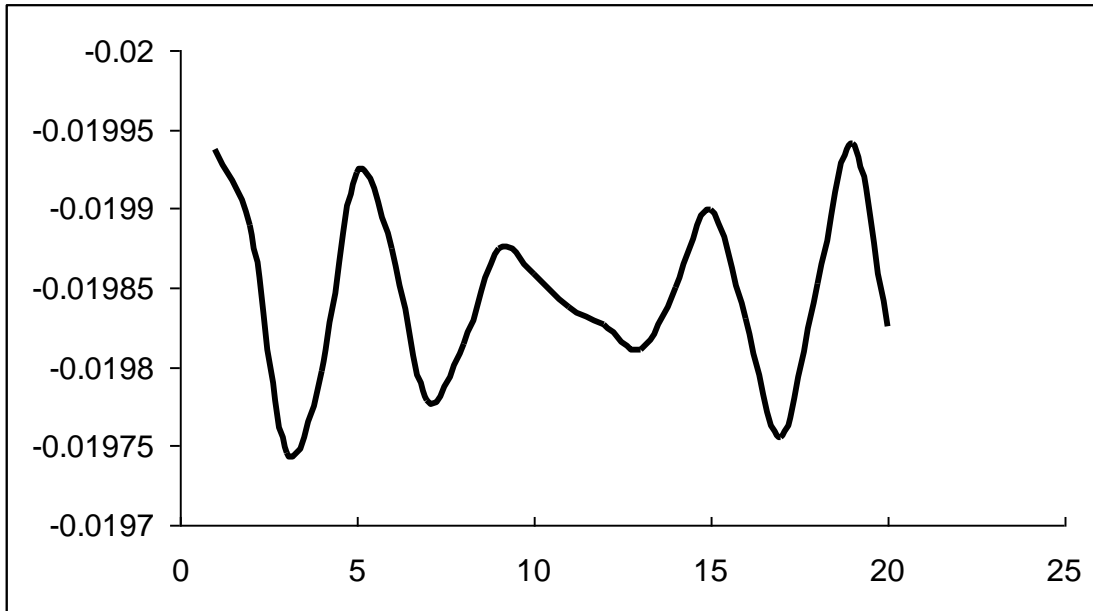


310 thin lenses -> resolution 1cm

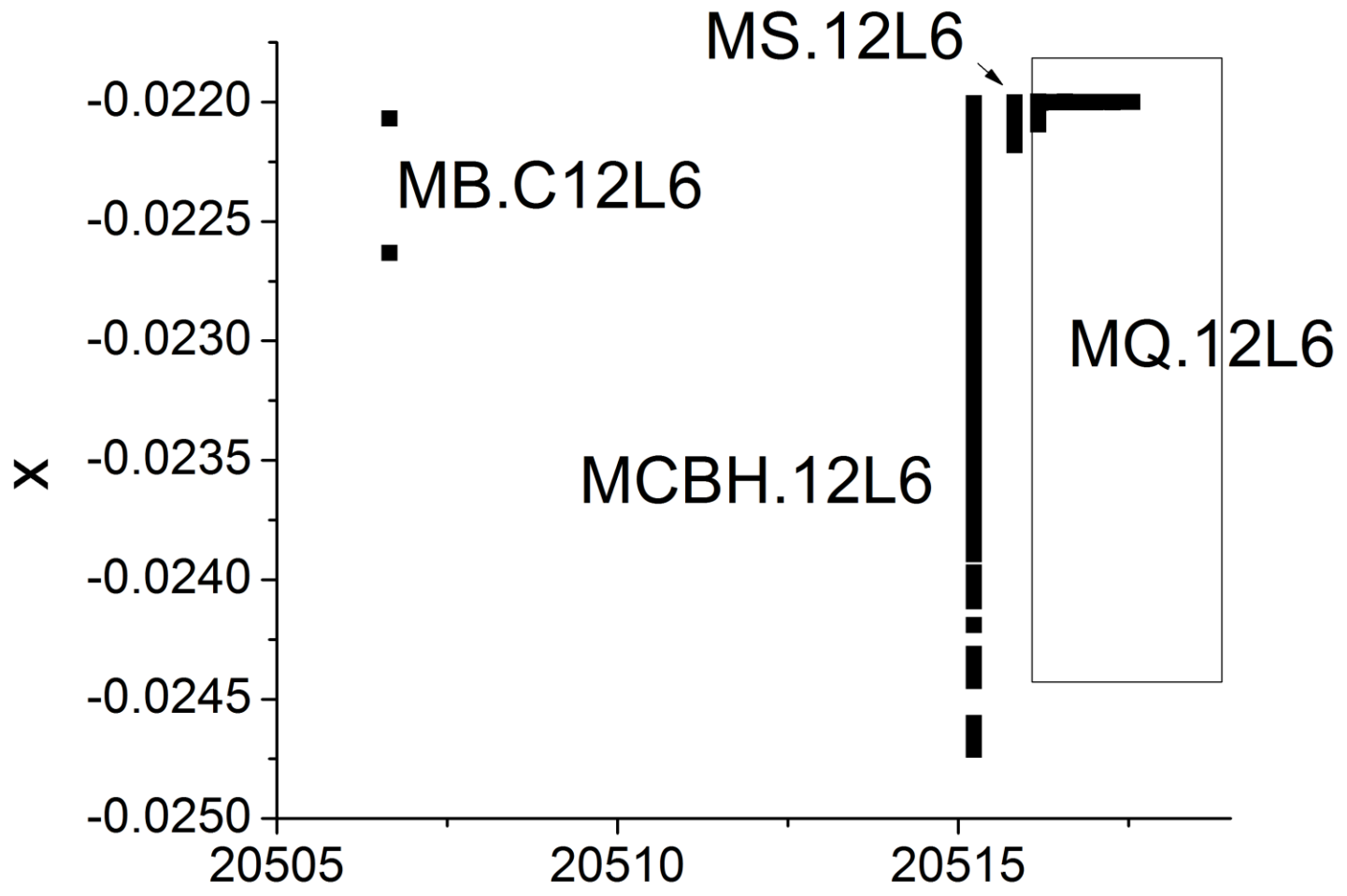




$A = 0.221e-6;$
 $kt = 64.27957294;$
 $f = 0.0;$







A = 0.221e-6;
tk = 64.27957294;
f = 3.0;

s

