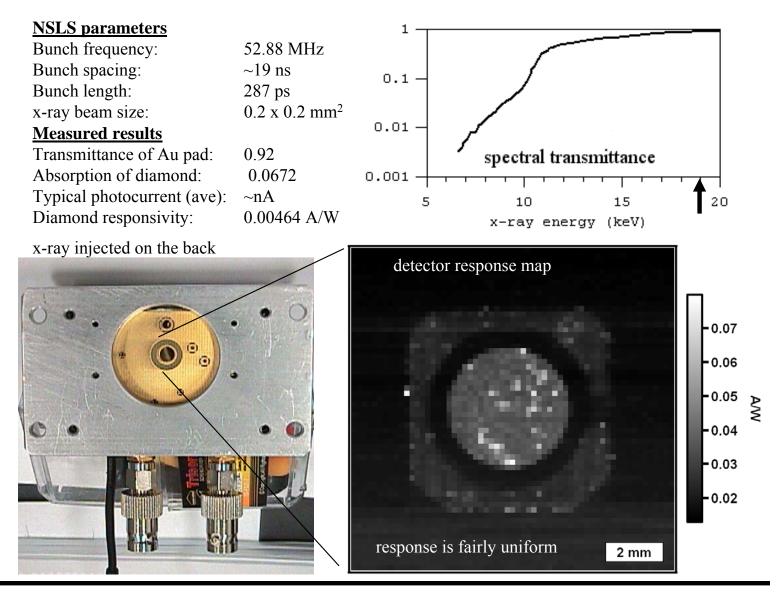
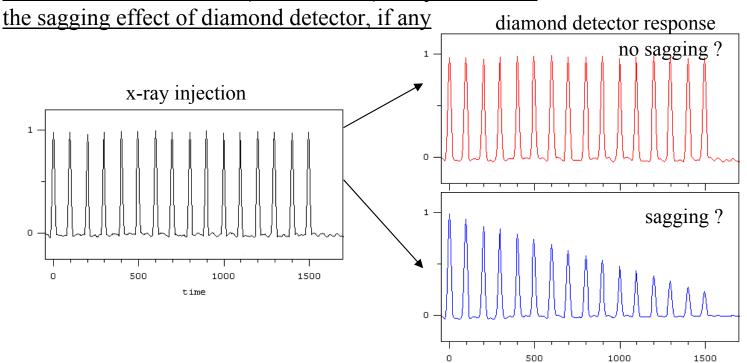
Response of diamond particle detector using x-ray injection @ NSLS-X15A (19 keV)

T. Tsang BNL Nov. 19, 2009



To be examined on other (more intense) x-ray beamlines



Temporal response of diamond particle detector using x-ray injection @ NSLS-X28C (5-20 keV, 'pink beam')

52.88 MHz

NSLS X28C beam parameters

Bunch frequency:

trigger

0

-1

1

0

Ο

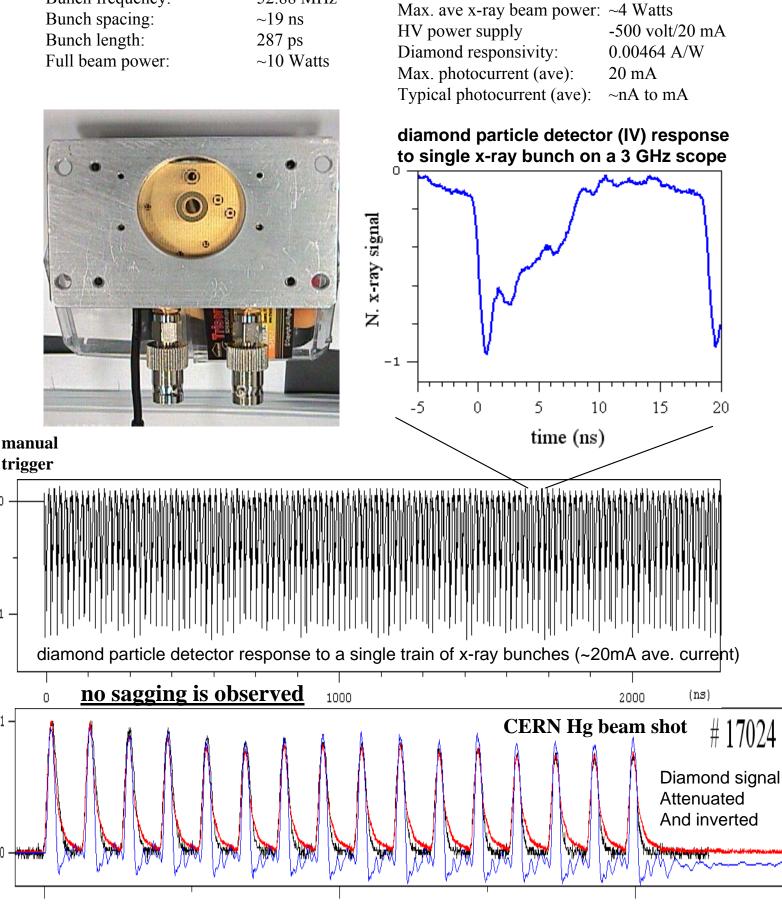
Results

Apertured x-ray beam size:

T. Tsang **BNL** Feb. 9, 2010

 $\varphi = 1.6 \text{ mm}$

2000



1000