

AGATA Online analysis at GSI using TkT

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TU Darmstadt

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GSI, Darmstadt

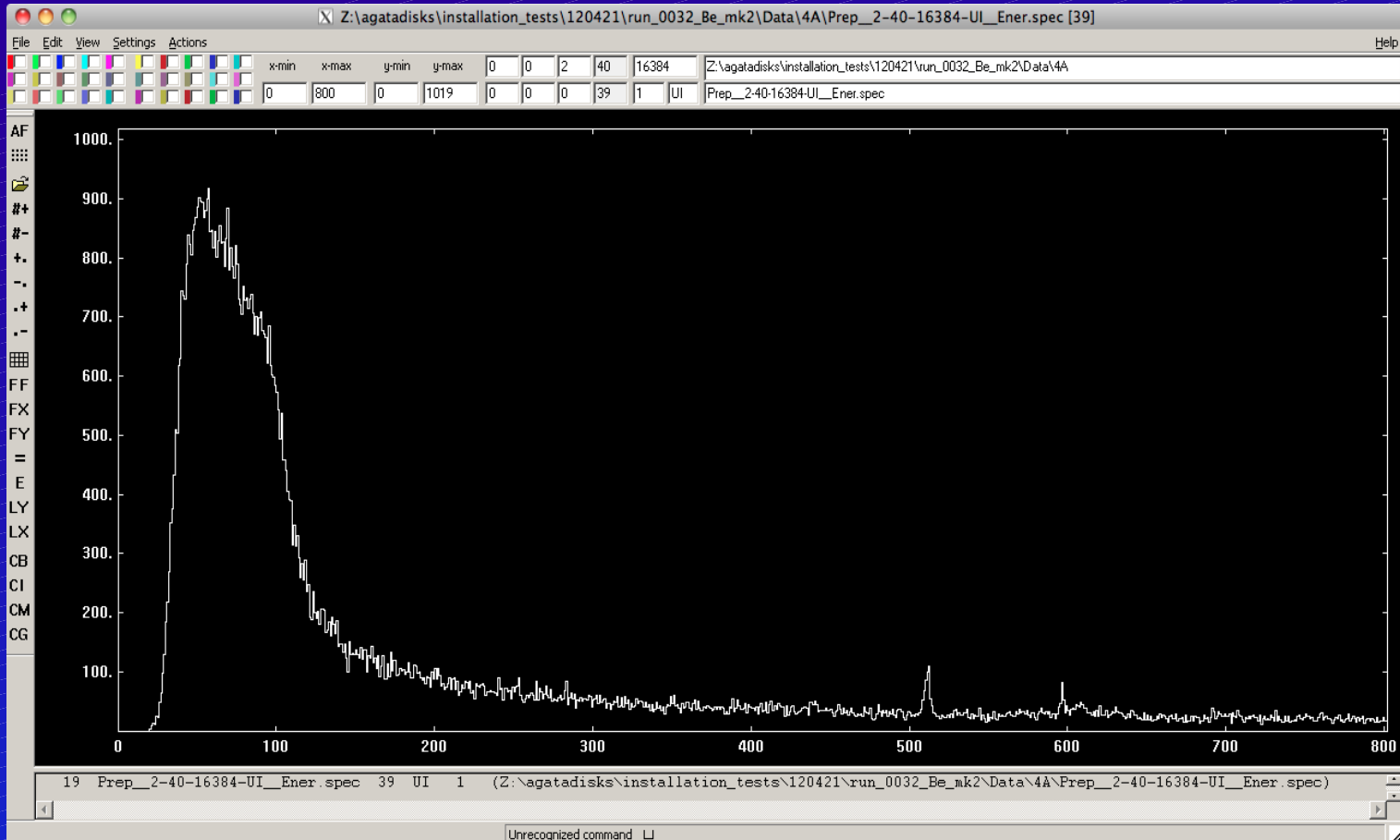
Agata commissioning

- Primary beam
- 150 MeV/A ^{50}Ti
 - 138 MeV/A ^{136}Xe + ^9Be , target at S4
 - 200 MeV/A ^{238}U ^{197}Au

FRS00 beam time

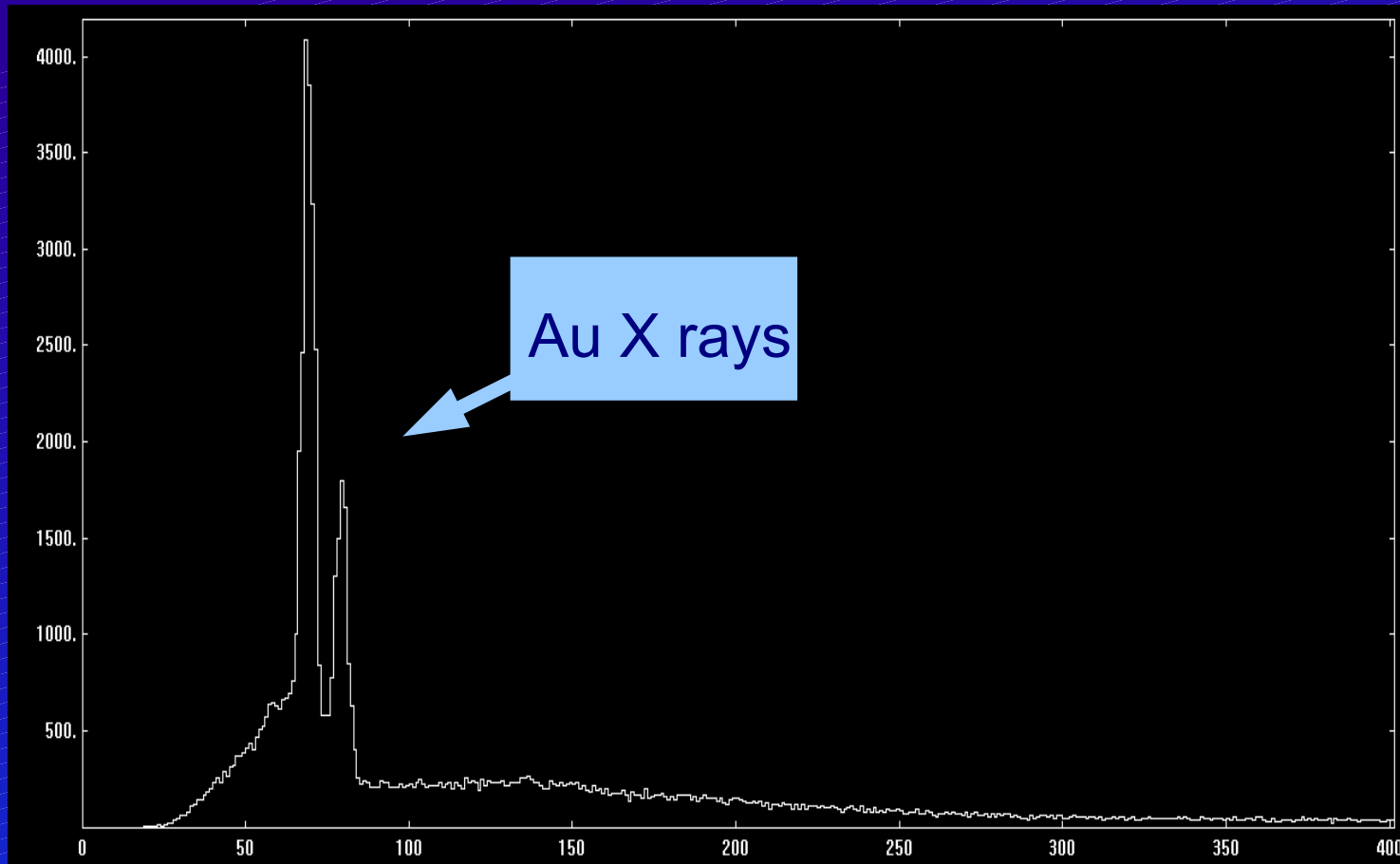
Primary beam 600 MeV/A ^{197}Au + ^{197}Au target at S4

150 MeV/A $^{50}\text{Ti} + ^9\text{Be}$

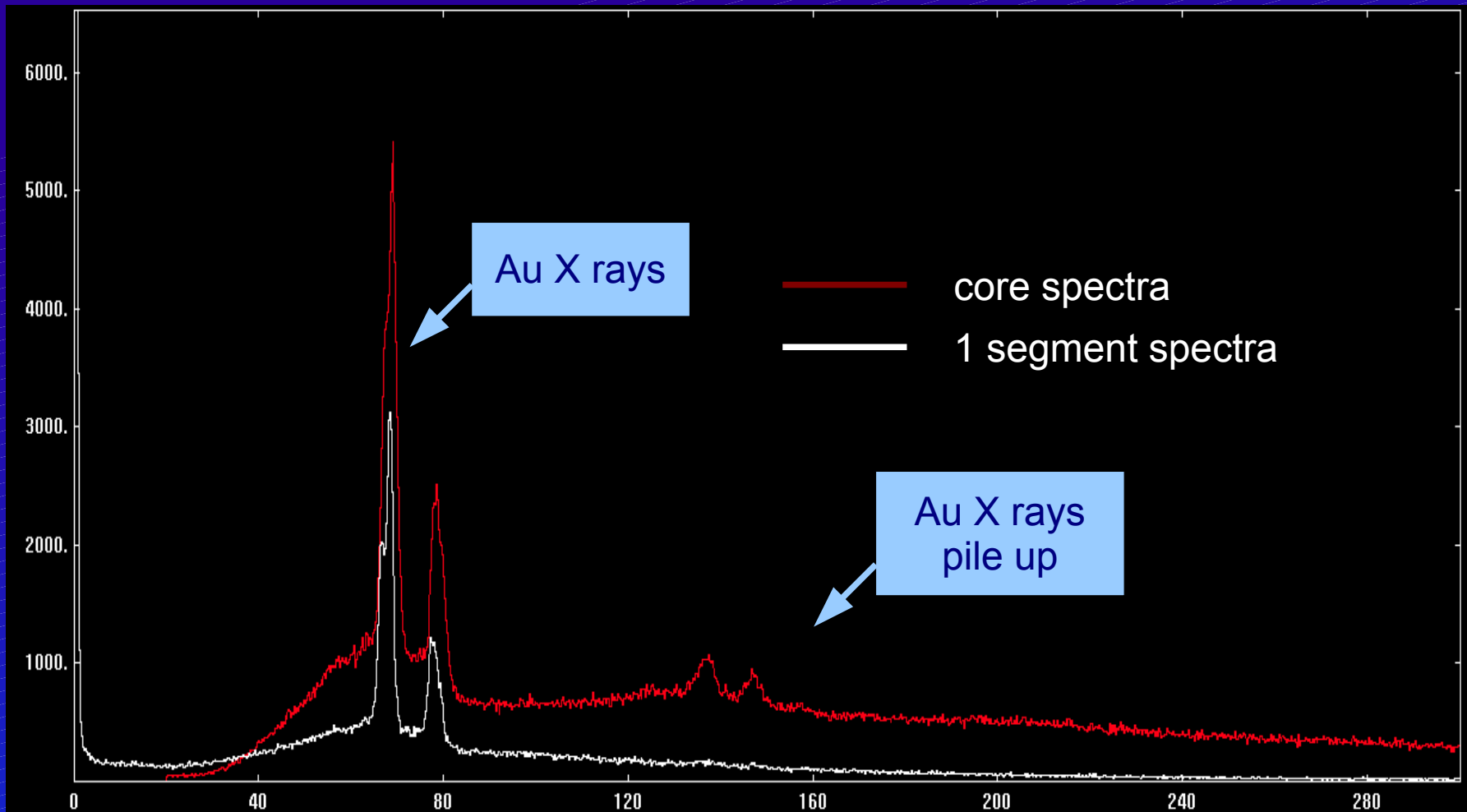


TkT program, D. Bazzacco

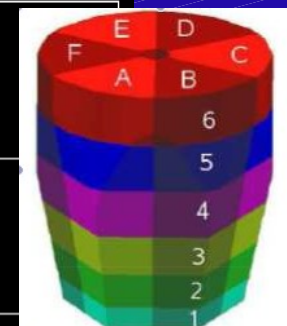
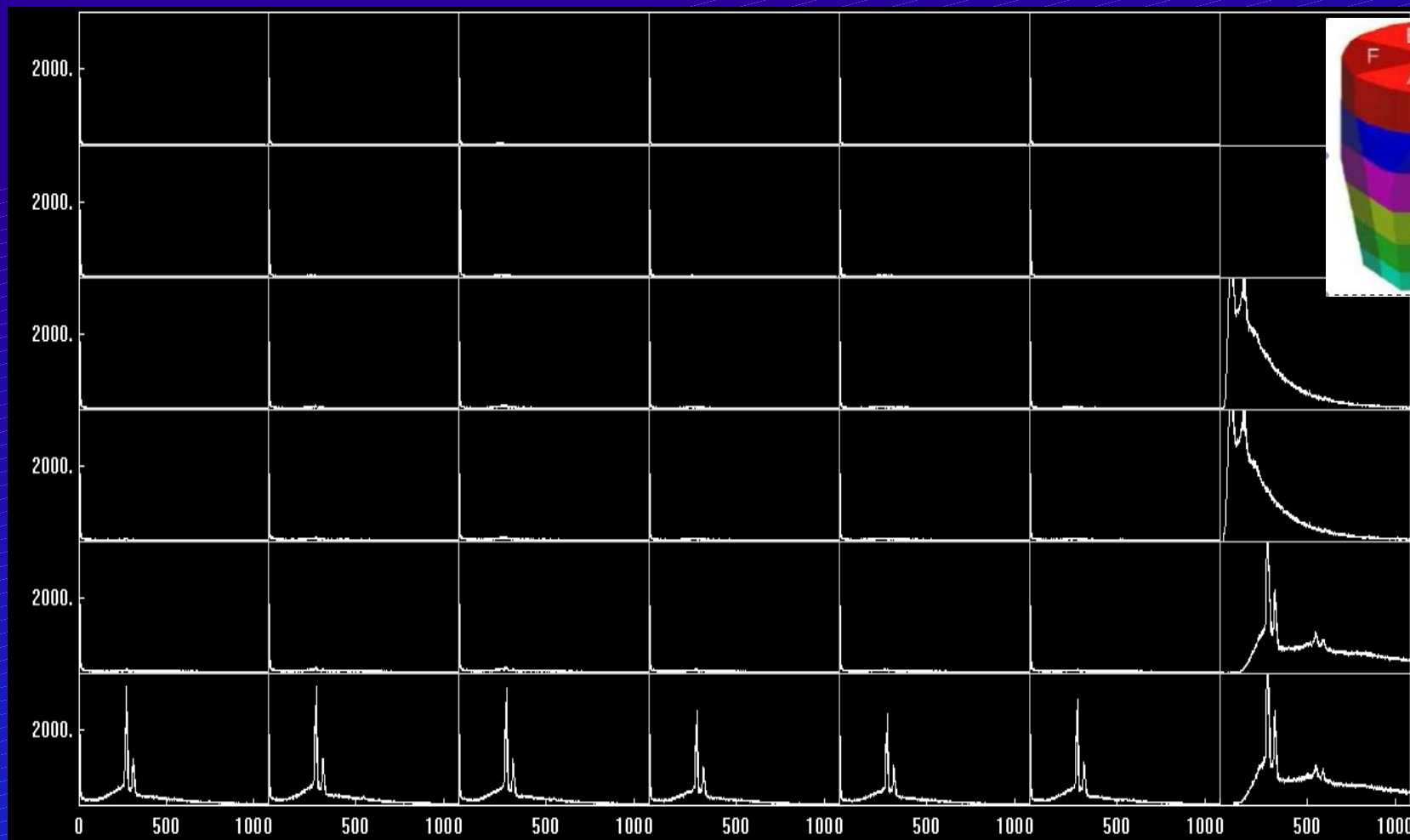
150 MeV/A $^{50}\text{Ti} + ^{197}\text{Au}$



600 MeV/A $^{197}\text{Au} + ^{197}\text{Au}$



600 MeV/A $^{197}\text{Au} + ^{197}\text{Au}$



A

B

C

D

E

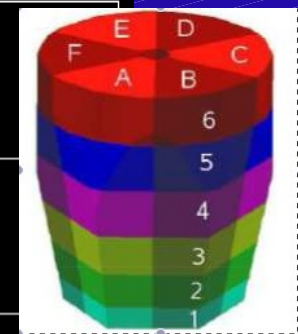
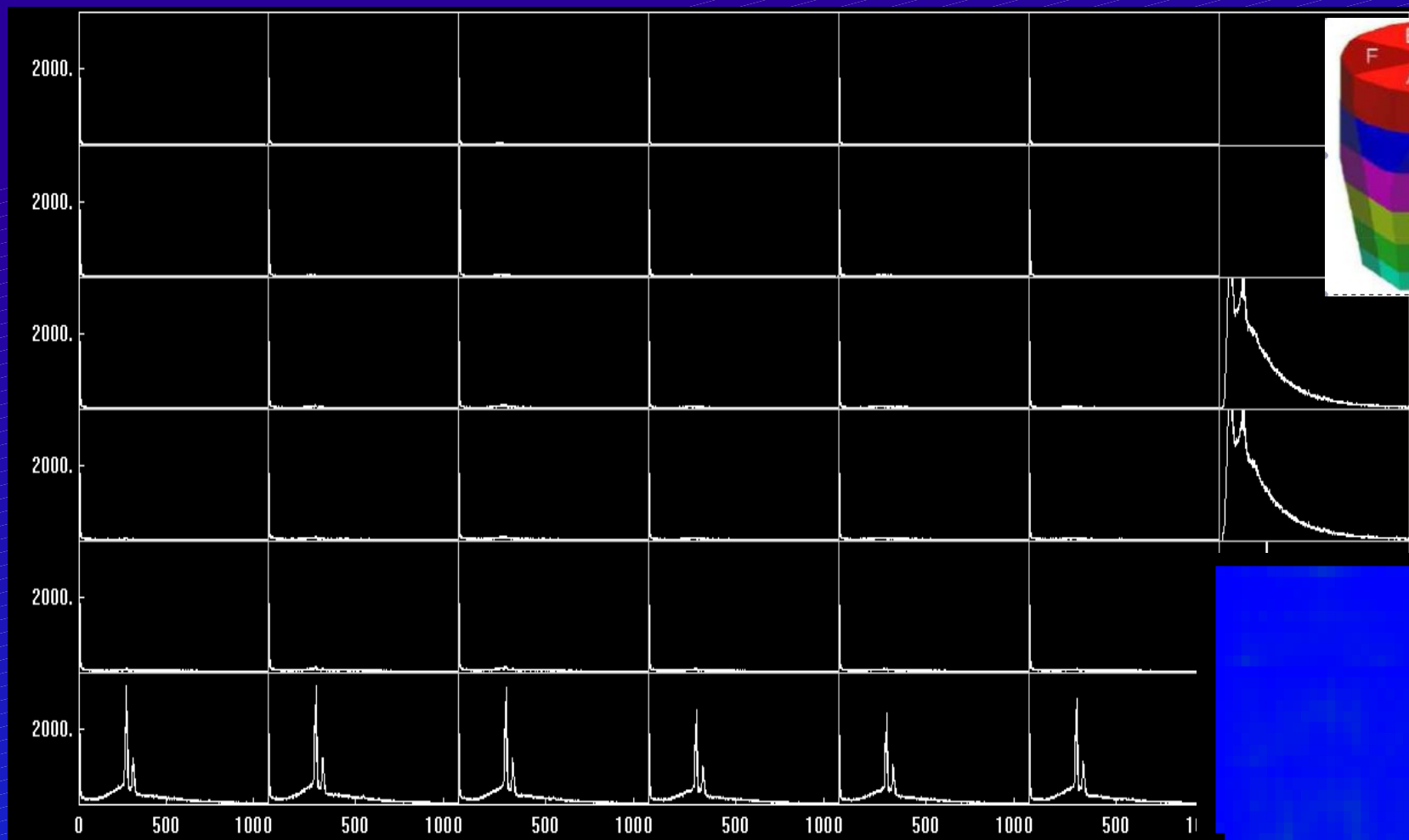
F

core

SECTOR

Front segments

600 MeV/A $^{197}\text{Au} + ^{197}\text{Au}$



SEGMENT

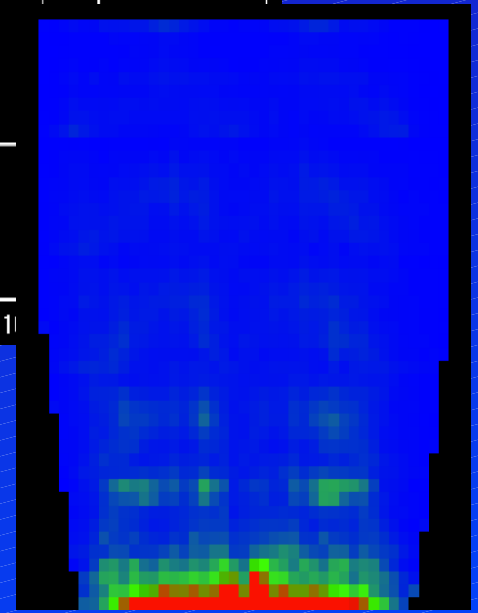
6
5
4
3
2
1

A B C D E C E F

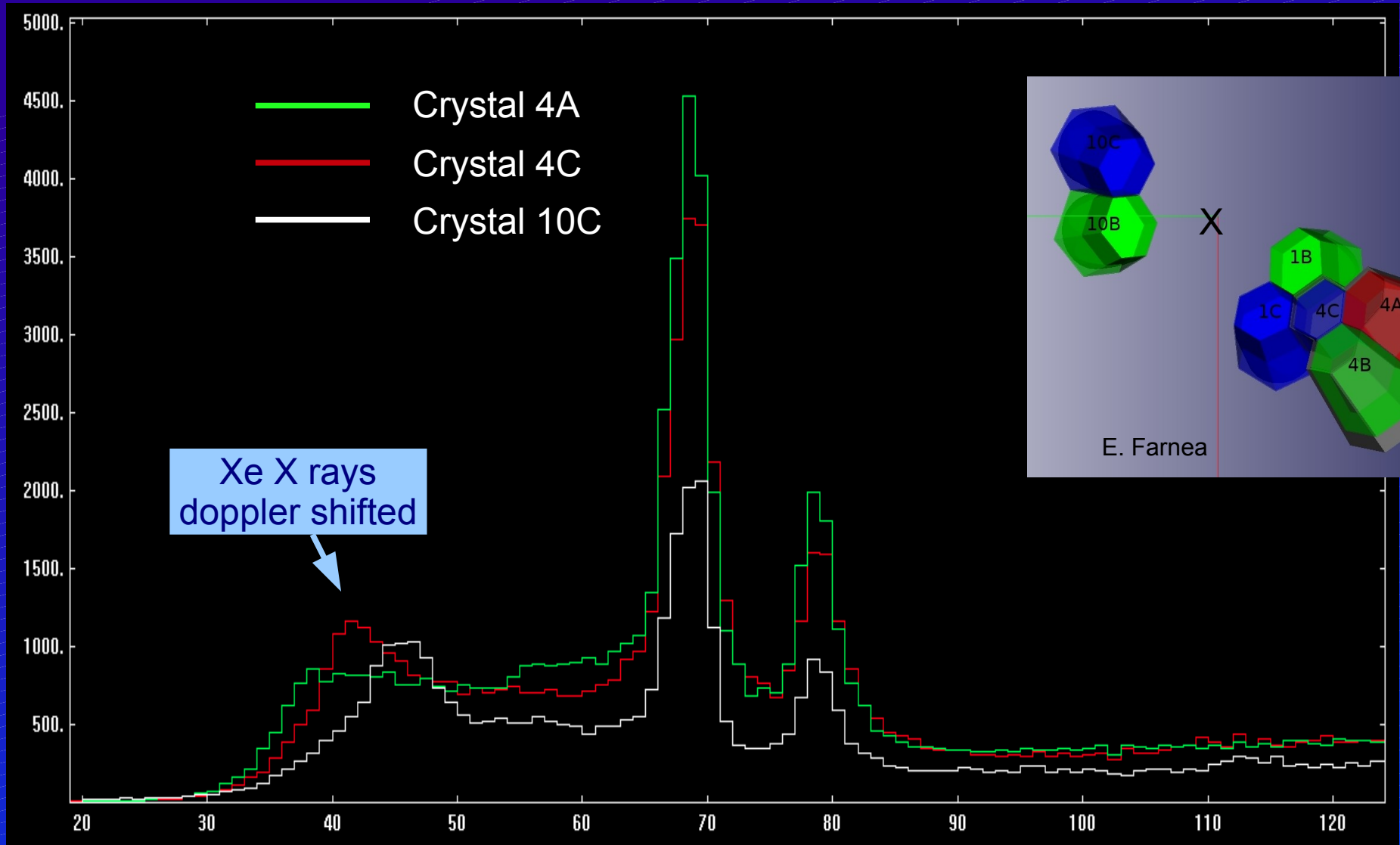
SECTOR



Front segments

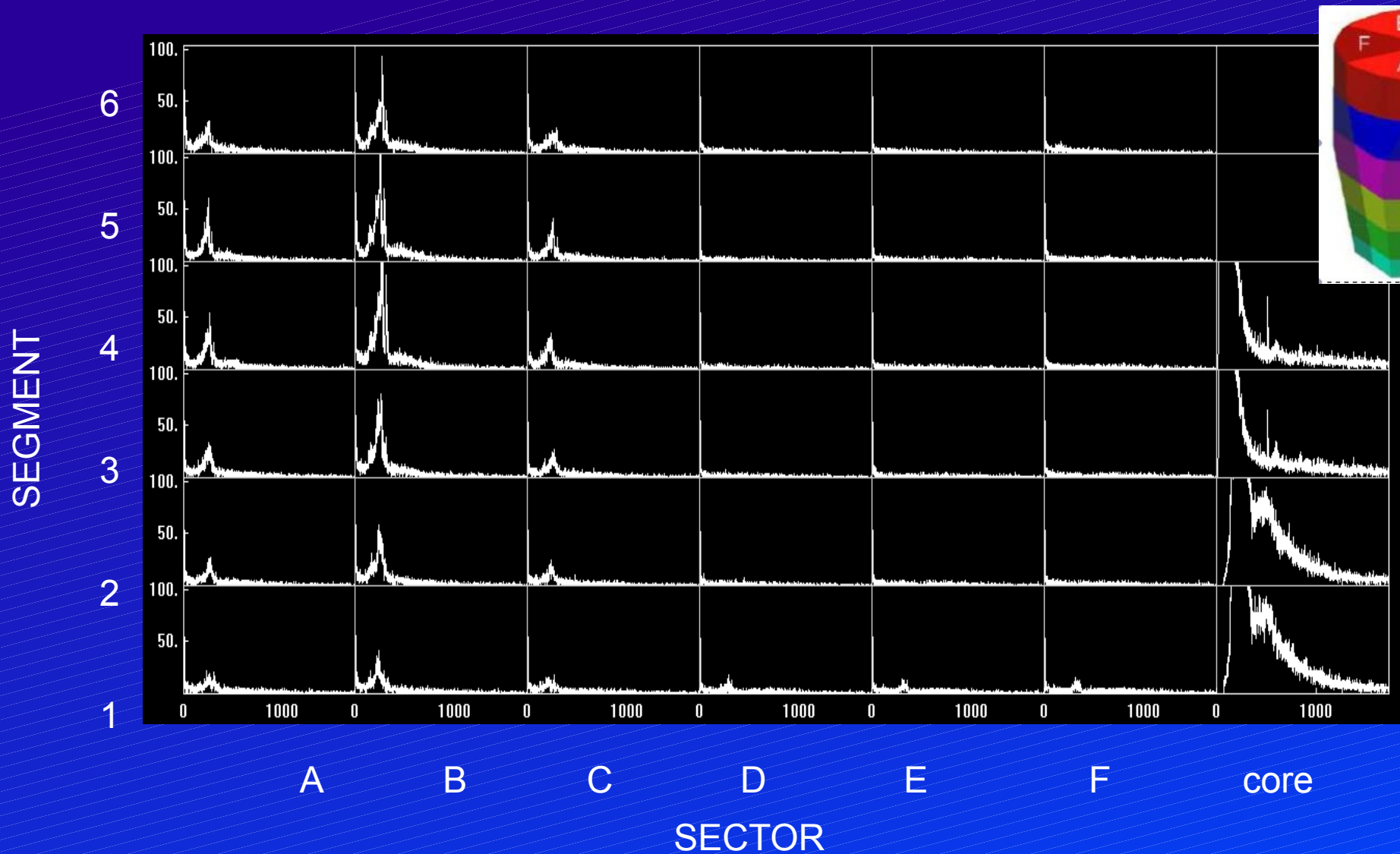


138 MeV/A $^{136}\text{Xe} + ^{197}\text{Au}$



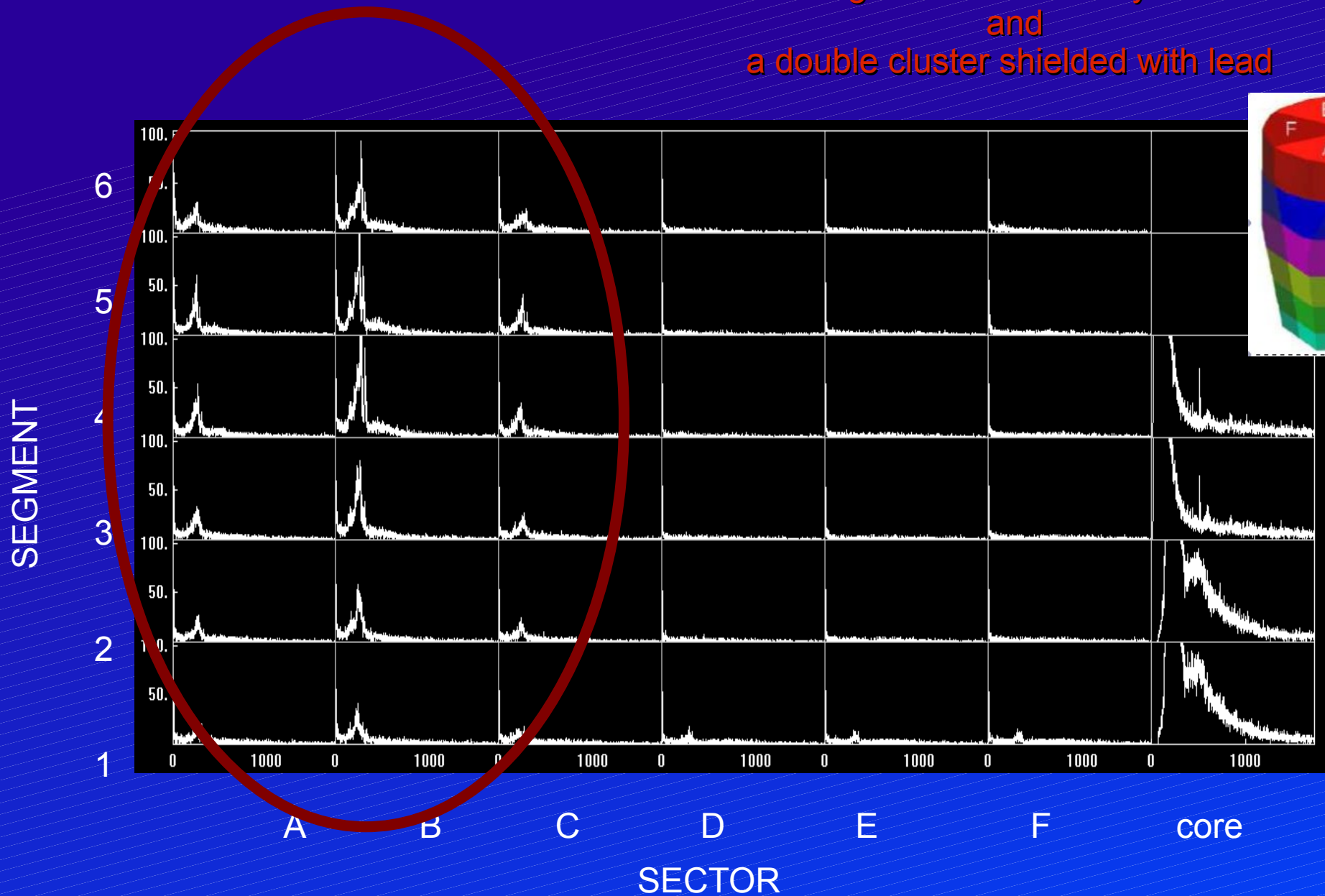
138 MeV/A $^{136}\text{Xe} + ^{197}\text{Au}$

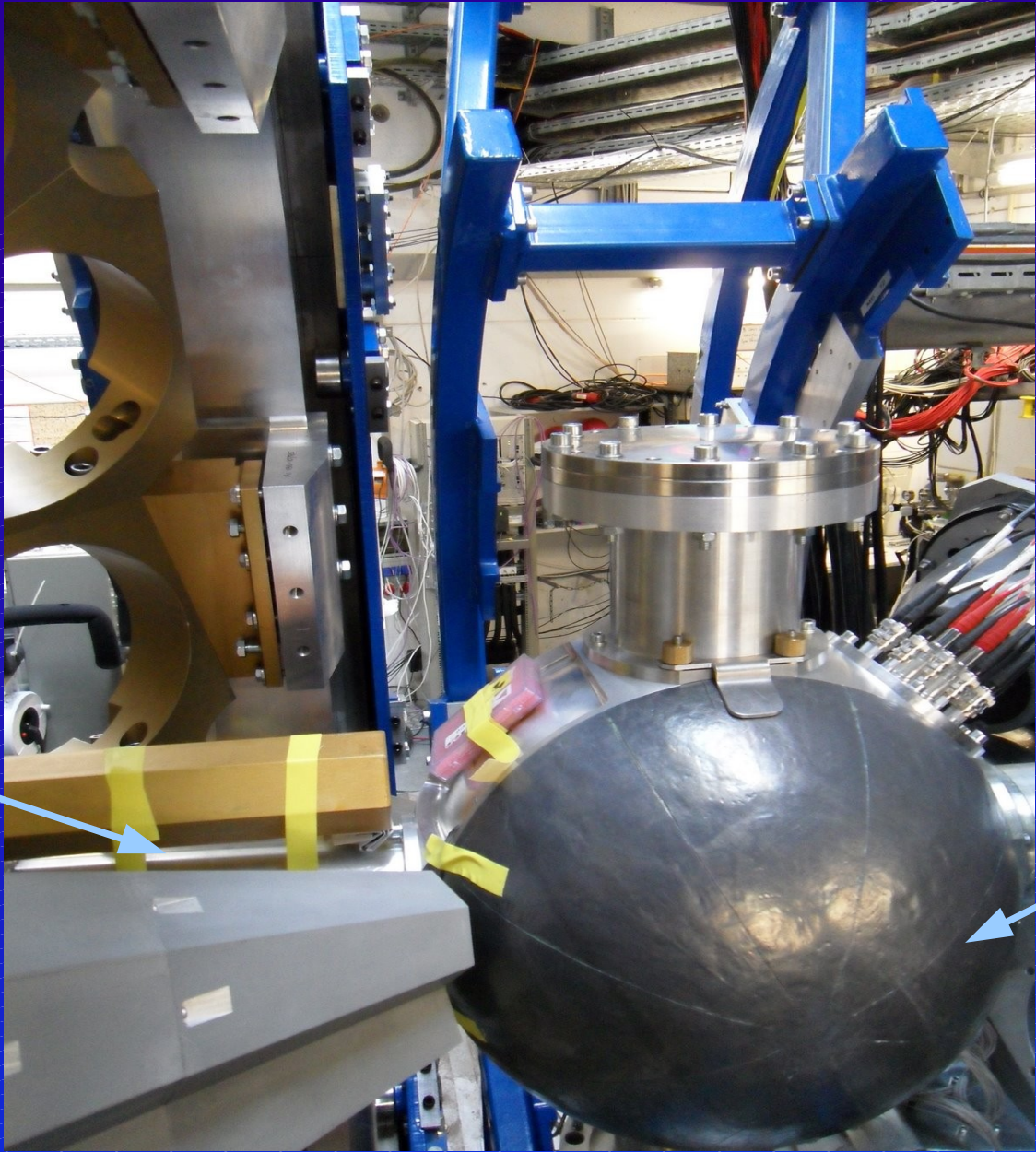
Target closer to the crystals
and
a double cluster shielded with lead



138 MeV/A $^{136}\text{Xe} + ^{197}\text{Au}$

Target closer to the crystals
and
a double cluster shielded with lead





beam pipe



Pb shielding



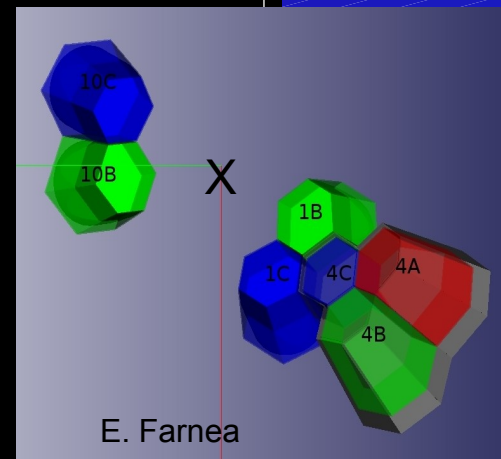
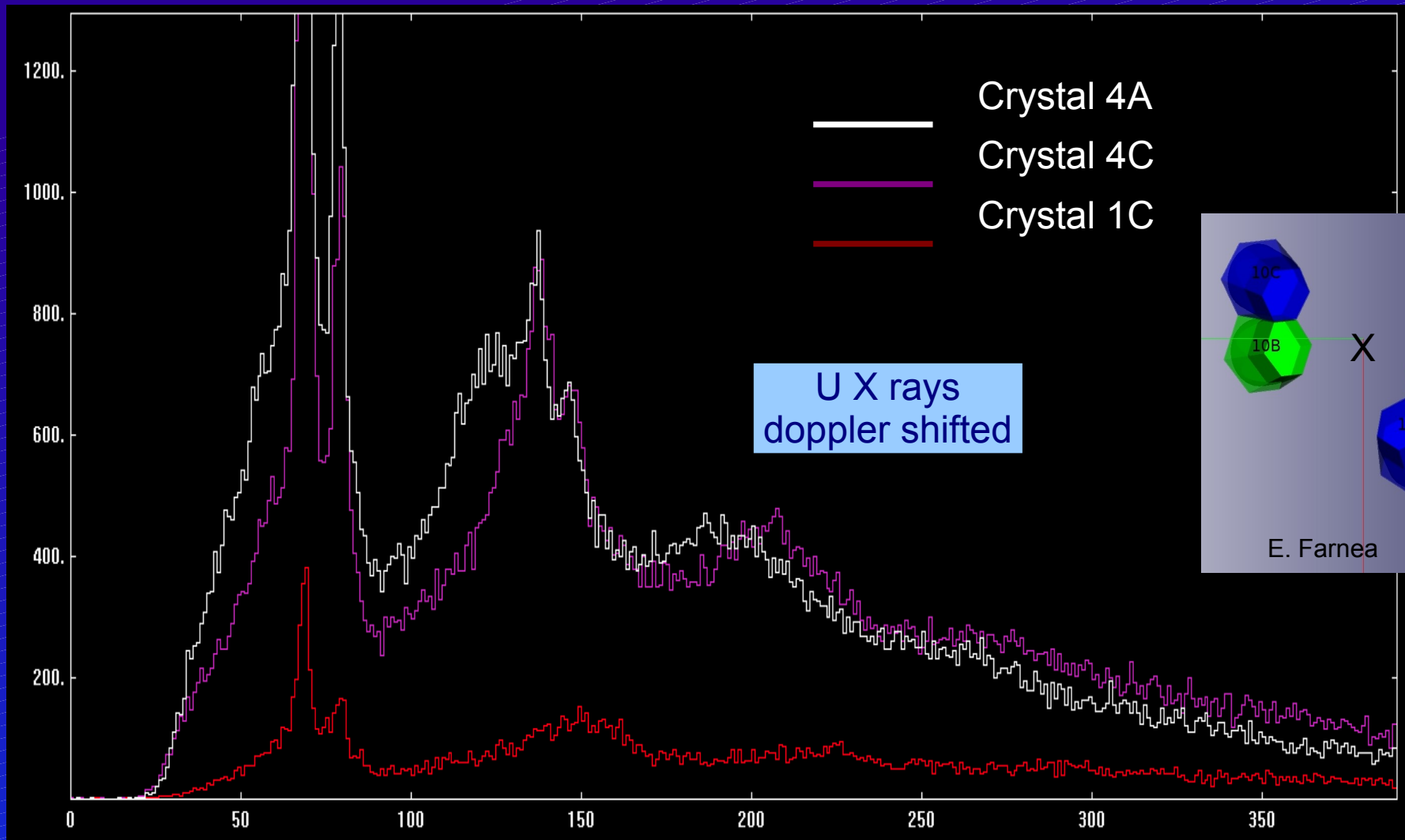
138 MeV/A $^{136}\text{Xe} + ^{197}\text{Au}$

Target closer to the crystals
and
double cluster shielded with lead



Not normalized!

200 MeV/A $^{138}\text{U} + ^{197}\text{Au}$



see offline analysis results

in M. Reese talk

