

....dose effect studies from dosimetry to biometry



ANSTO *LifeSciences*  
Prof Richard Banati  
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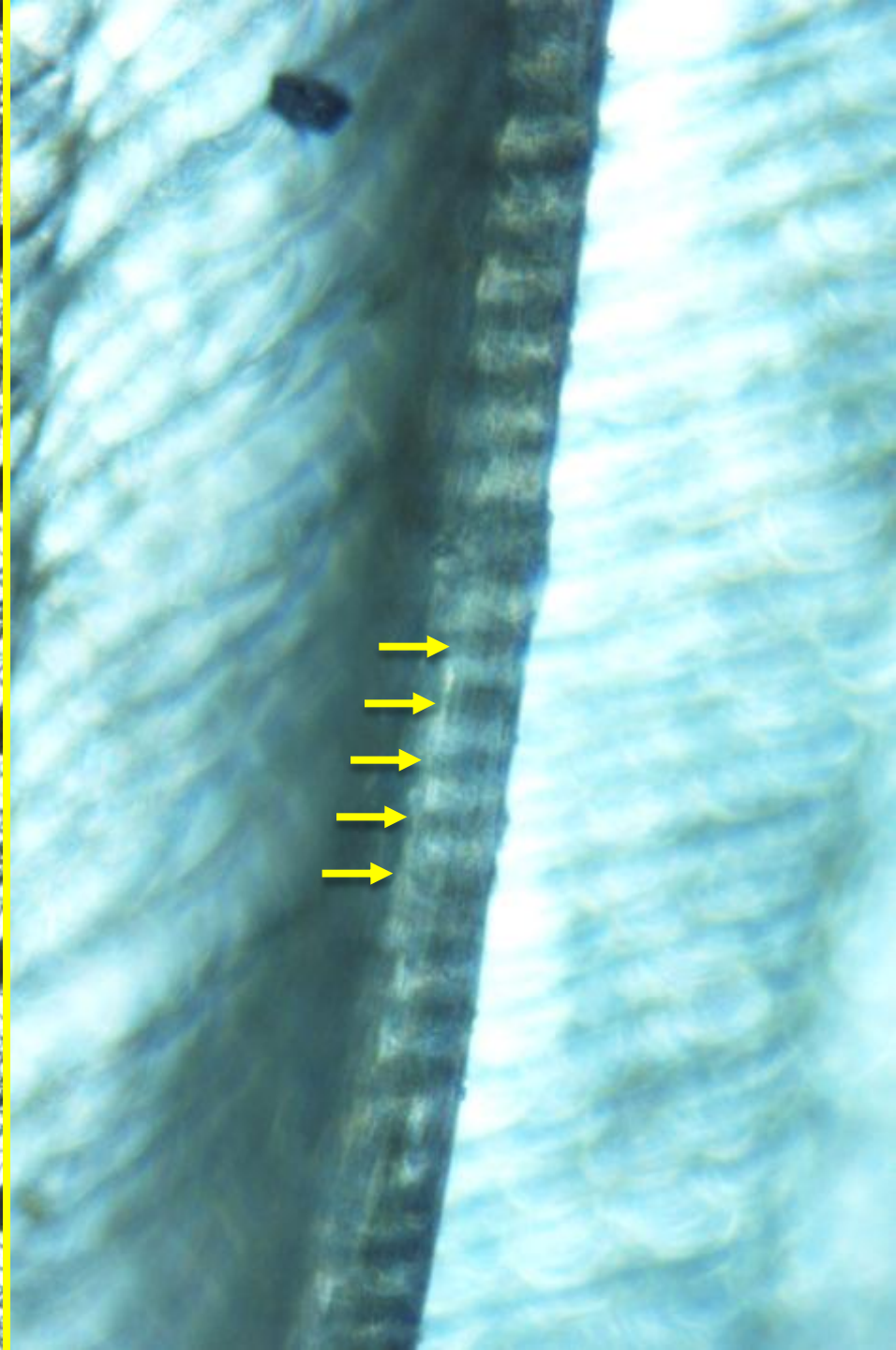
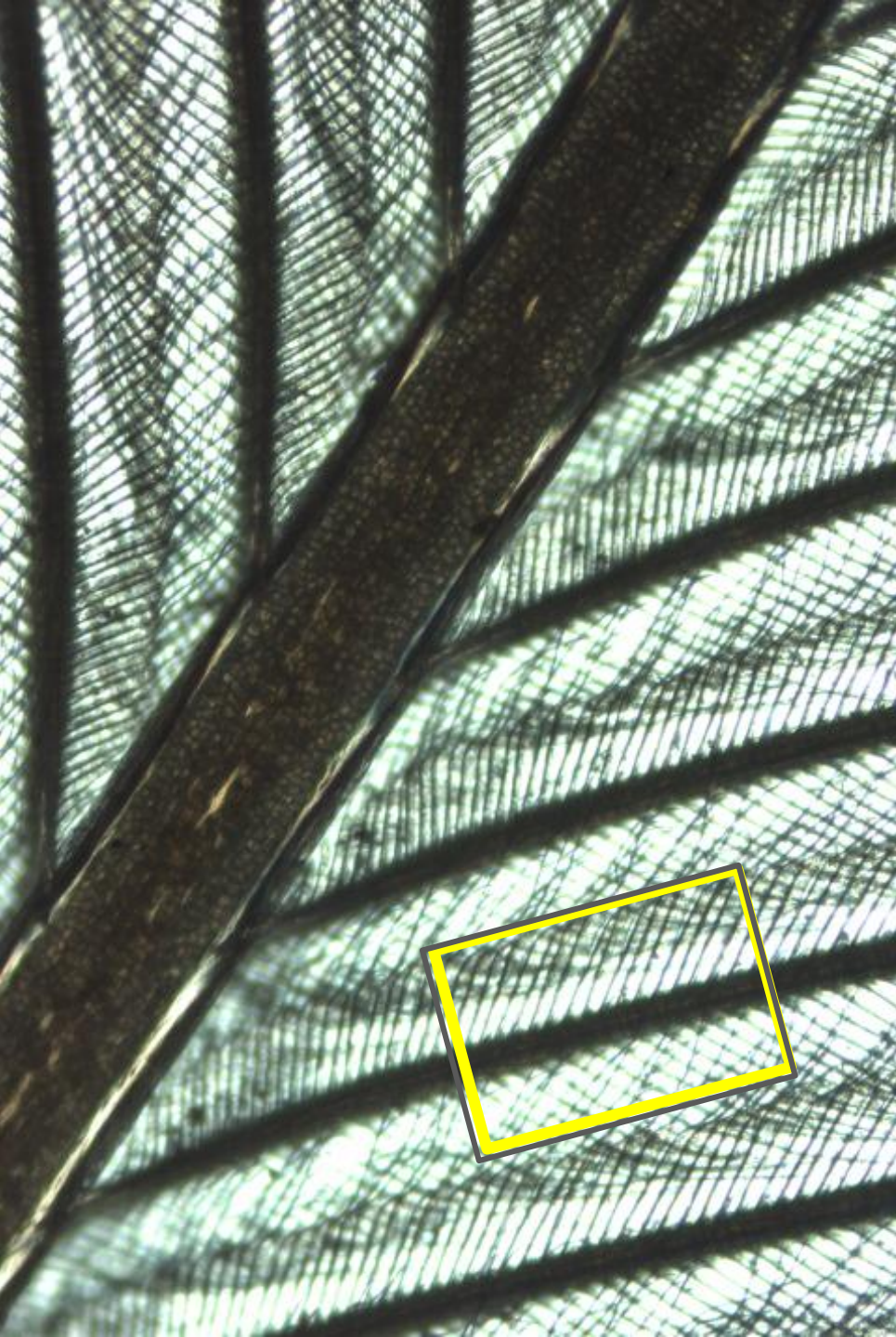










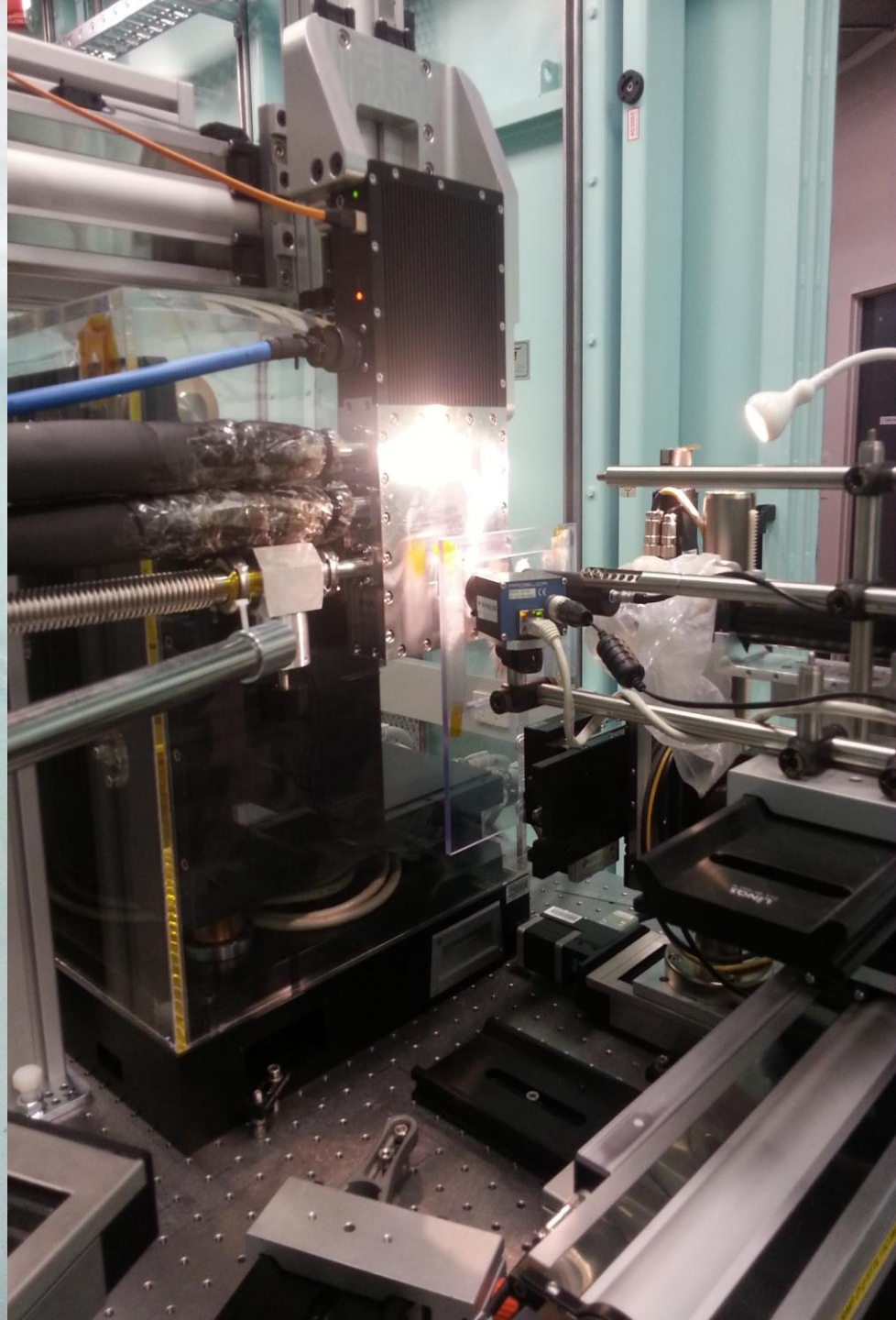




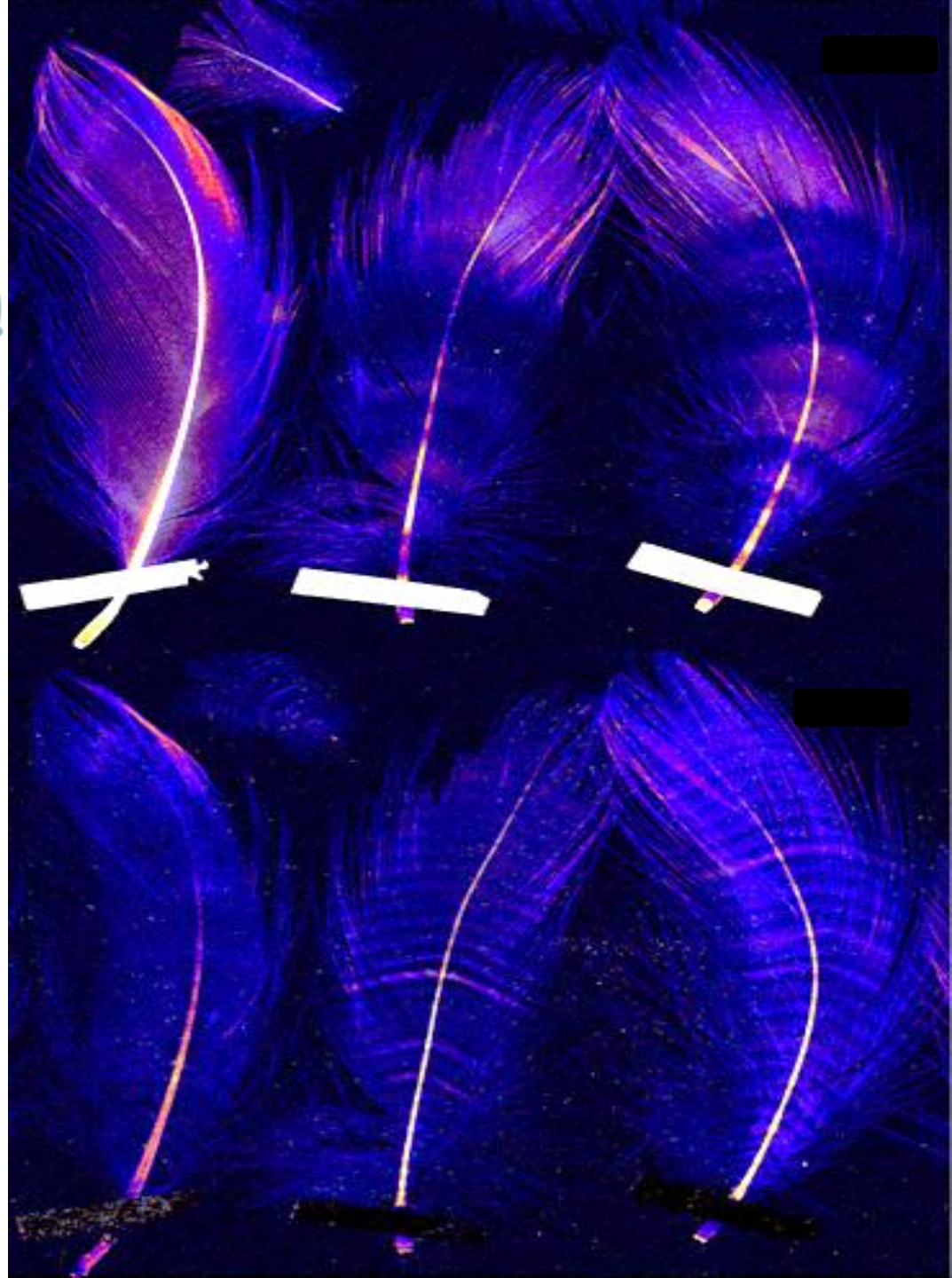




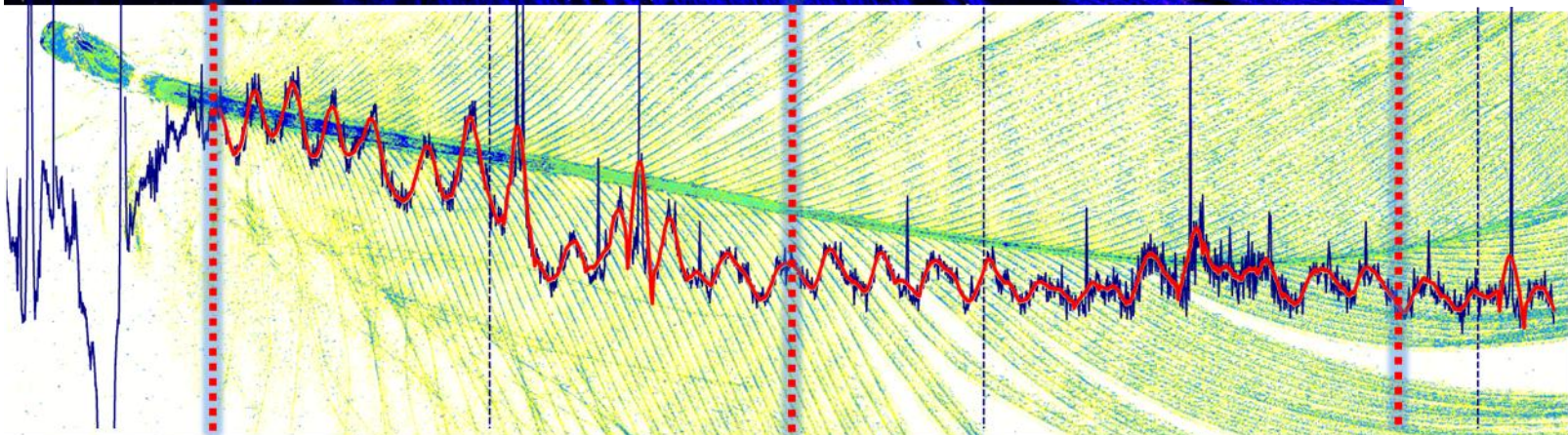
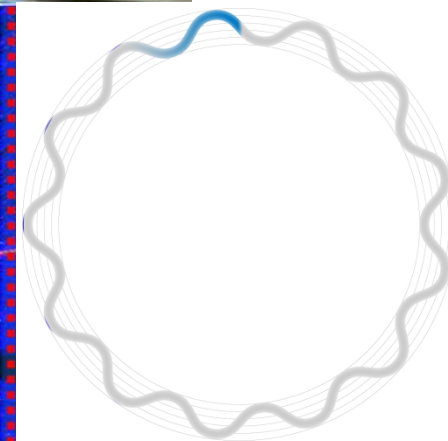
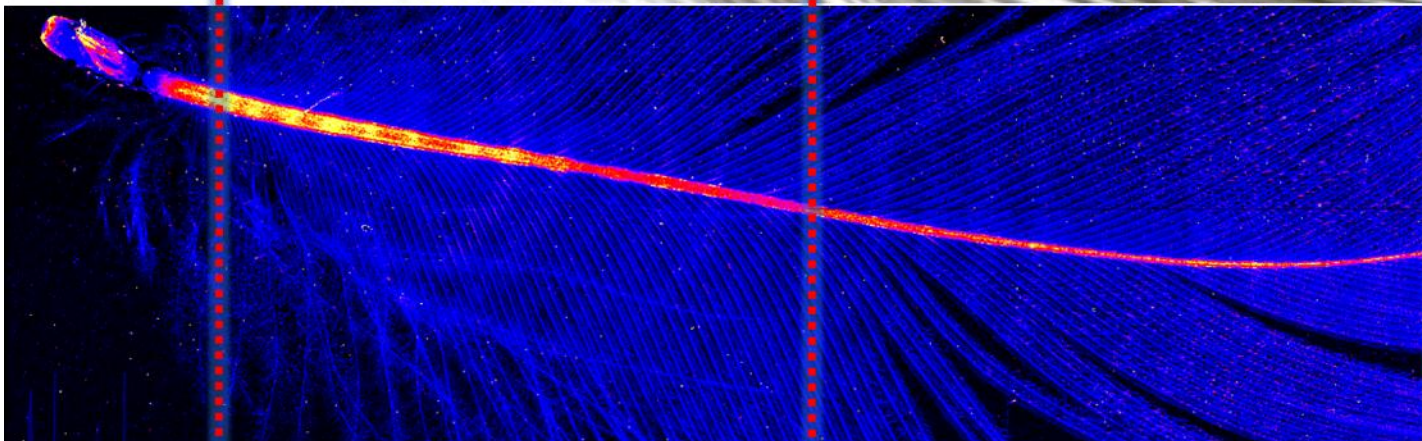
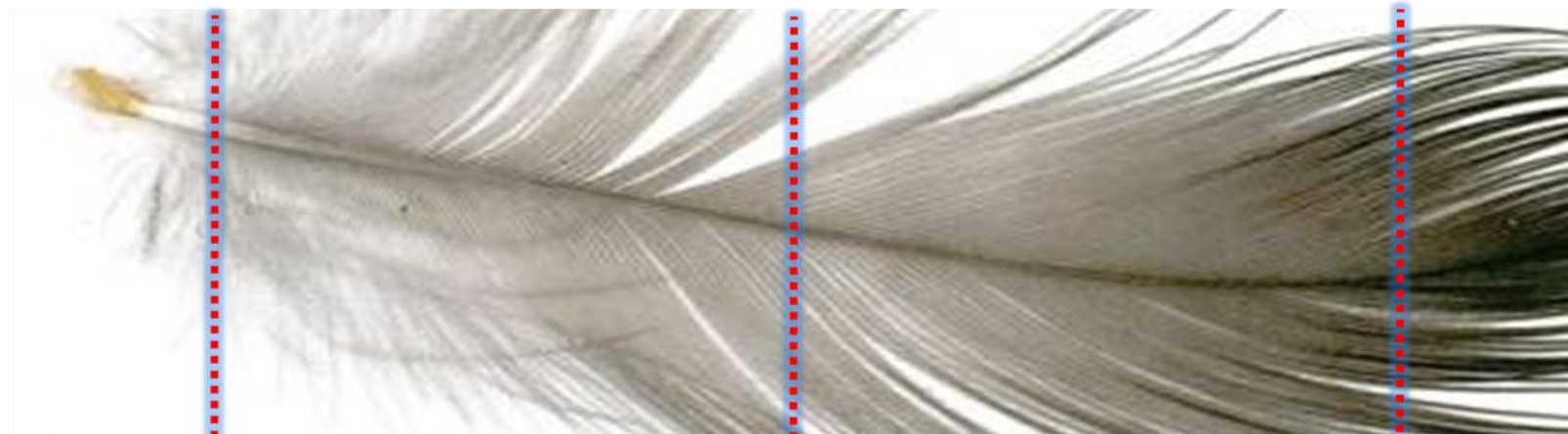






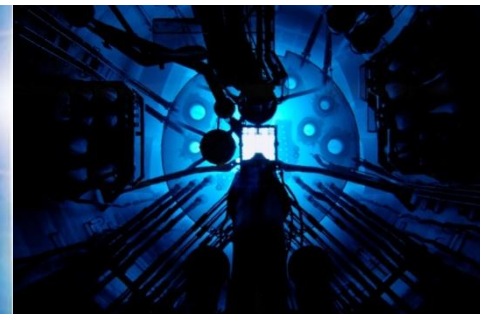


















FFSH 162-64595 Apr 2011  
Plastic: 5.798g

FFSH #6 May 2011  
Plastic: 11.517g

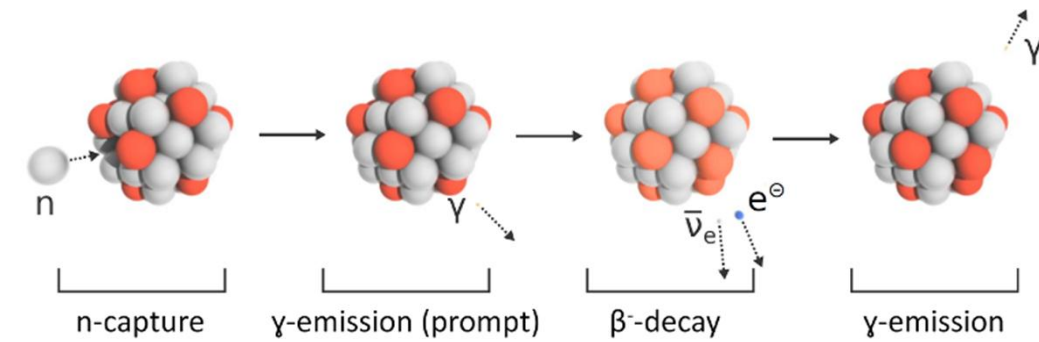
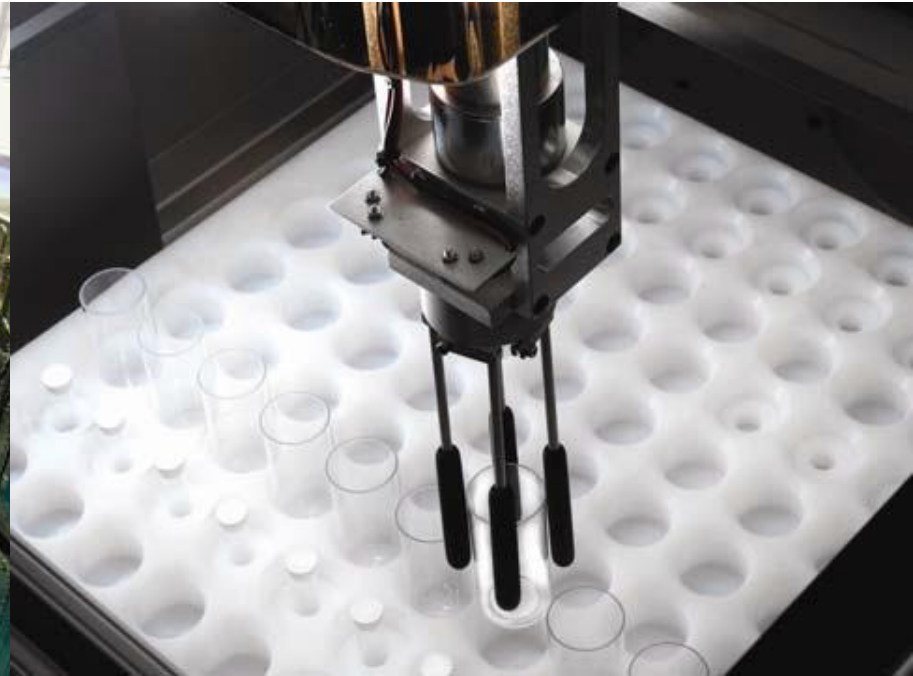
FFSH May 2011 #8  
Plastic: ~~4.567g~~  
4.373g







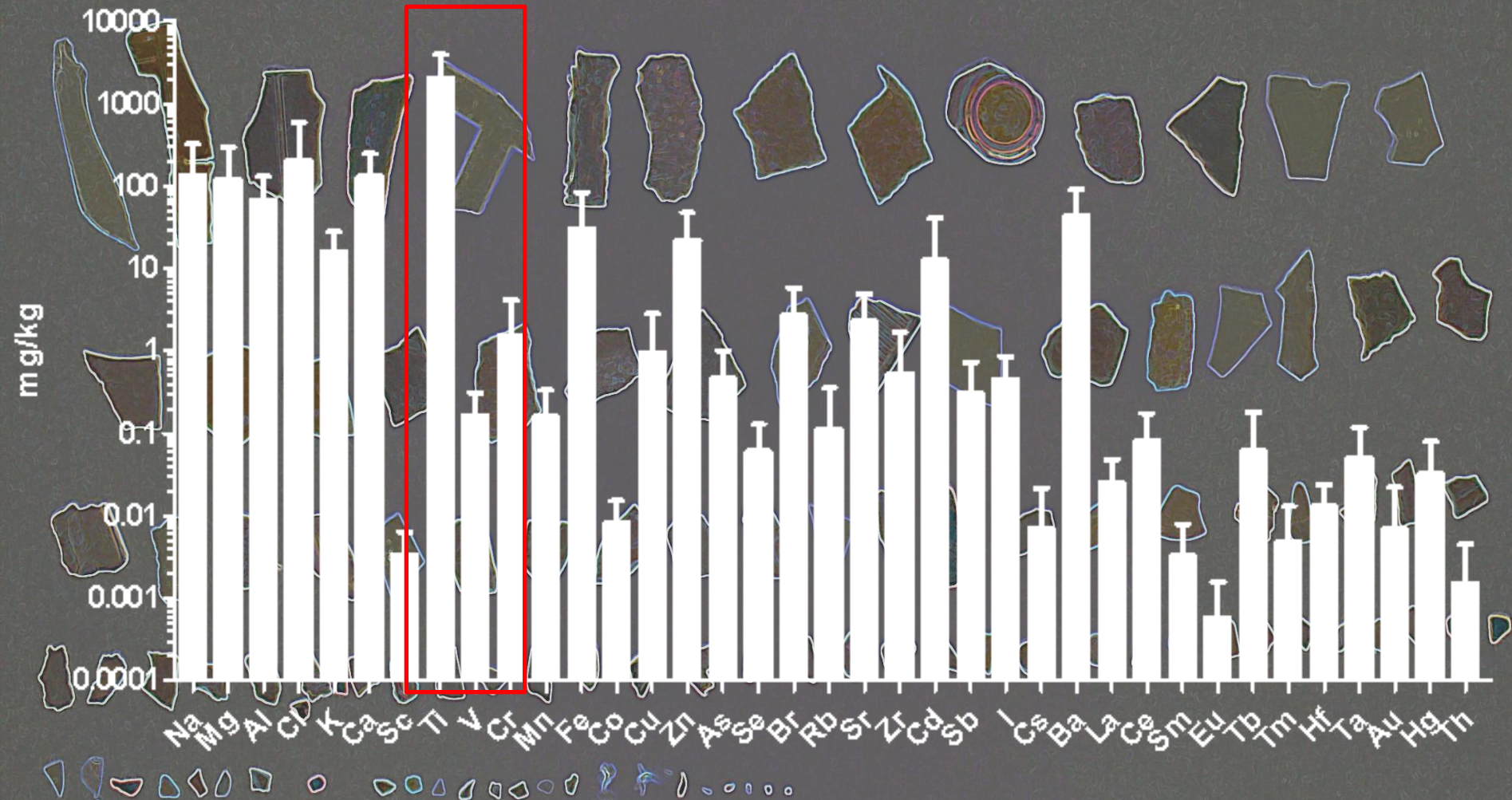
# Neutron Activation Analysis (NAA)

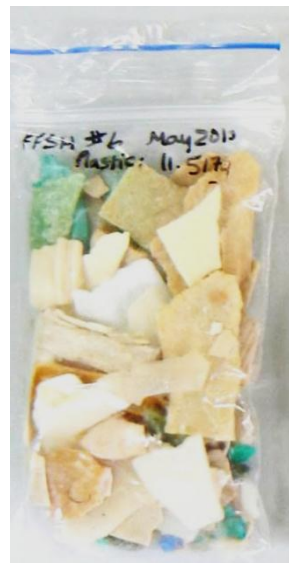
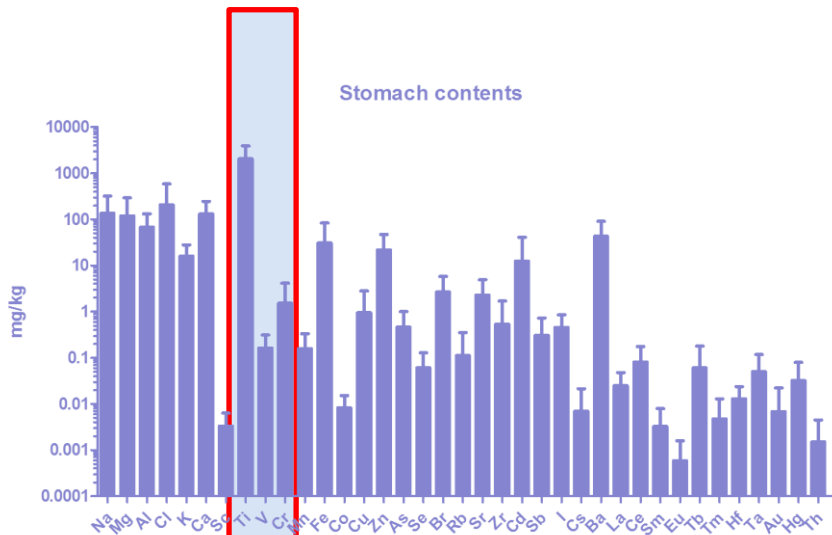




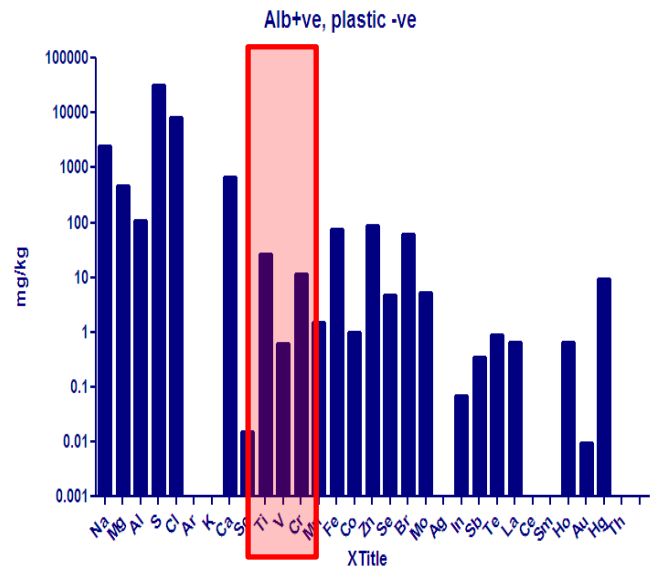
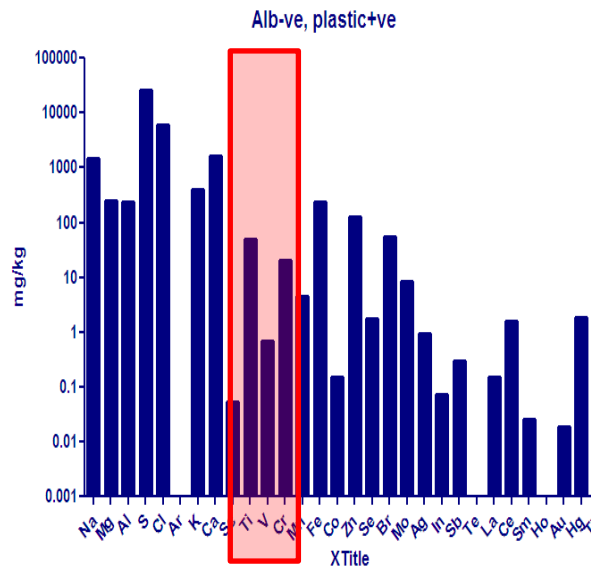
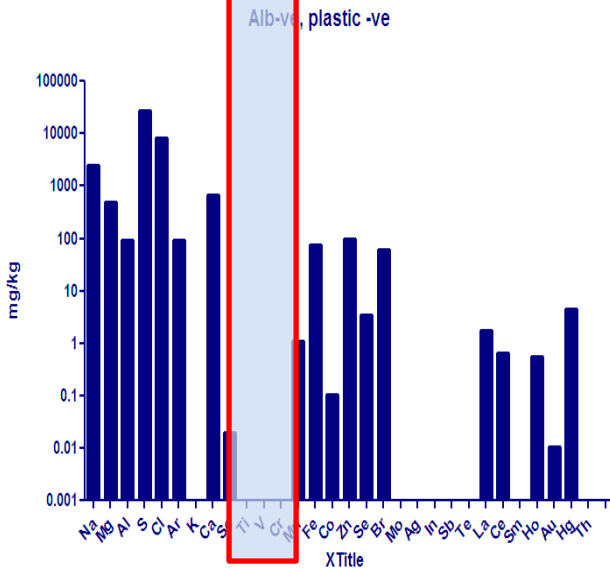


# Stomach contents





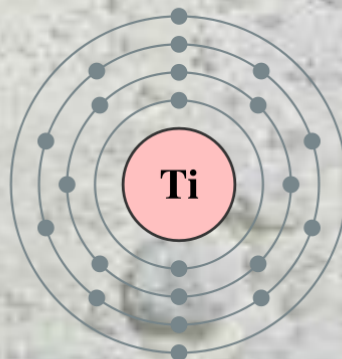
## NAA analysis of feathers vs stomach content





**22: Titanium**

**2,8,10,2**

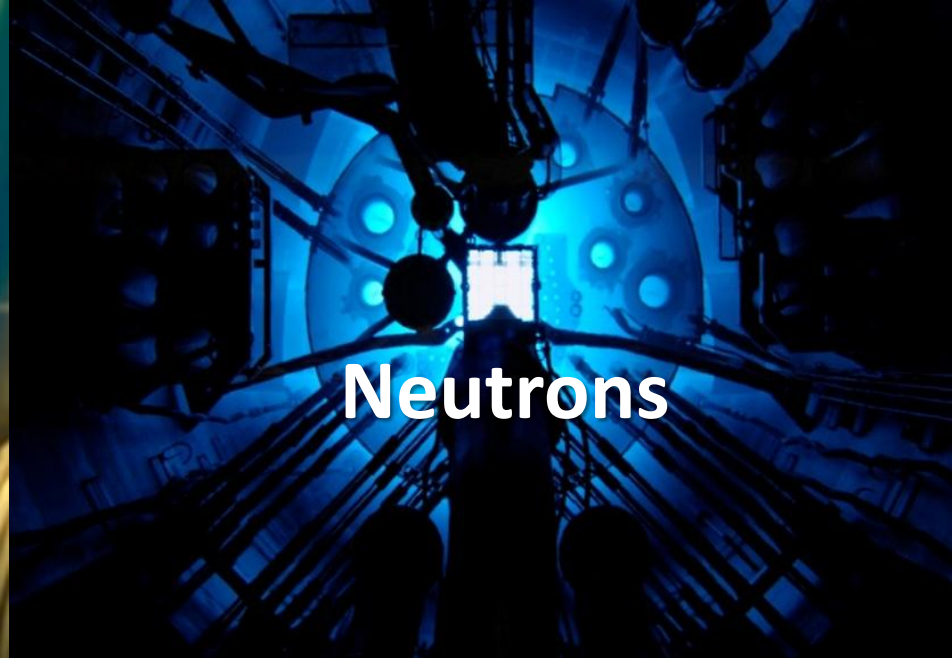








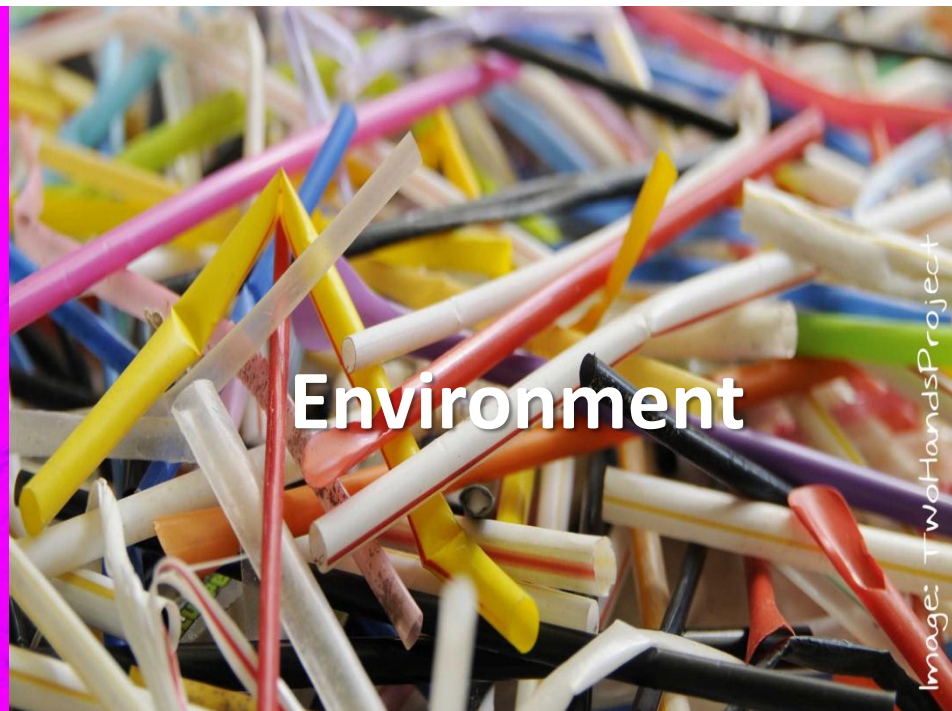
**Synchrotron x-rays**



**Neutrons**



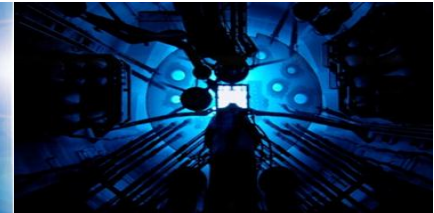
**Evolution-Development**



**Environment**

# NATIONAL CENTRE FOR SYNCHROTRON SCIENCE

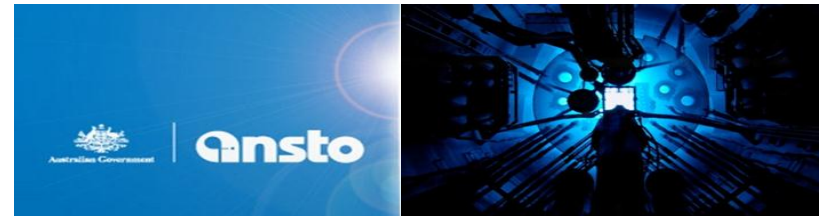
Physicists, nuclear scientists & engineers



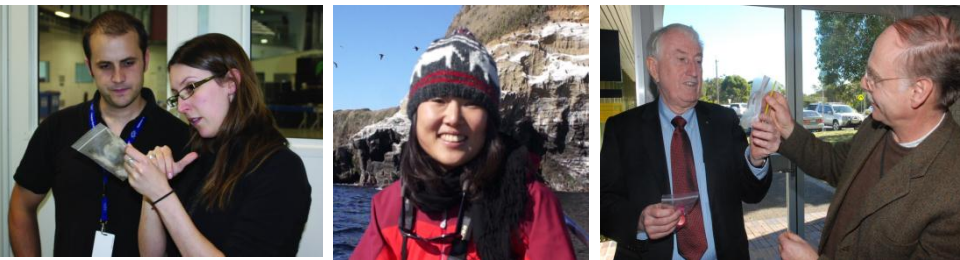


# NATIONAL CENTRE FOR SYNCHROTRON SCIENCE

Physicists, nuclear scientists & engineers



Life scientists



Nick Howell Jennifer Lavers

Sayaka Uematsu

Richard Banati



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Physicists, nuclear scientists & engineers



Life scientists



Nick Howell Jennifer Lavers

Sayaka Uematsu

Richard Banati

Citizen scientists and educators



[www.twohandsproject.org](http://www.twohandsproject.org)





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Australian Government



Australian Nuclear Science and Technology Organisation