

Nicholai Mauritzson

Scientist Summer Worker 2017
DG ESS



EUROPEAN
SPALLATION
SOURCE

ESS association

ESS association

- 2015-2017: Source Testing Facility



ESS association

- 2015-2017: Source Testing Facility



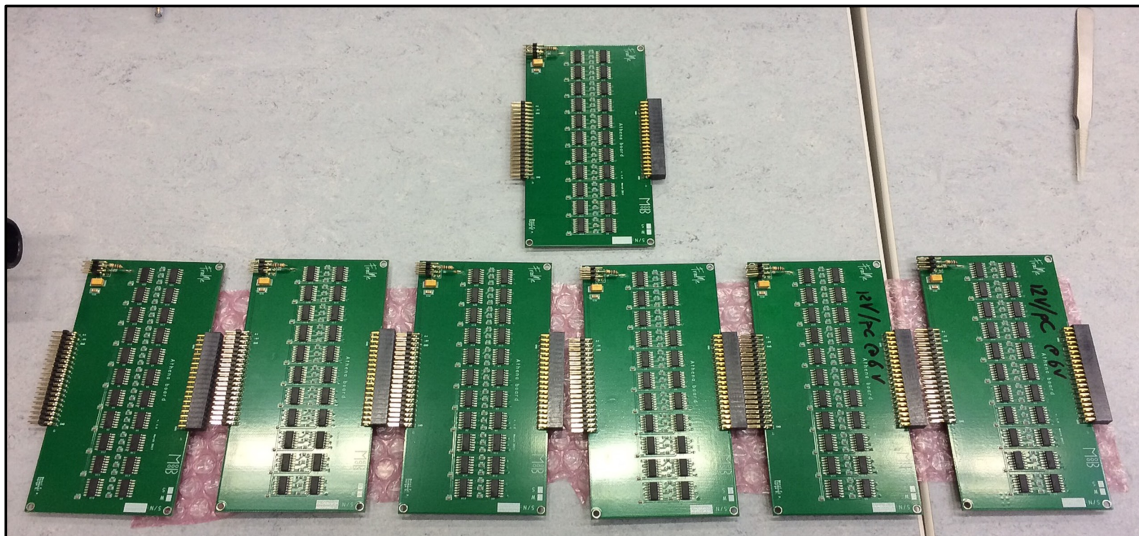
- 2017: Scientist Summer Worker

Scientist Summer Worker Highlights

MultiBlade: PreAmp modification and testing

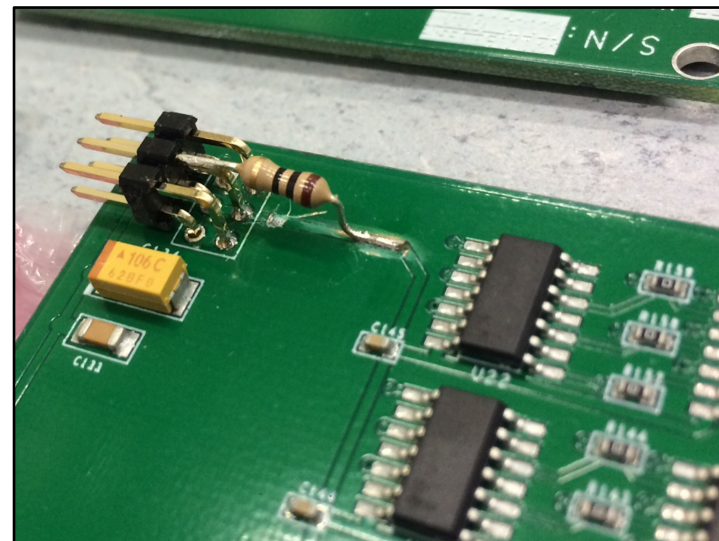
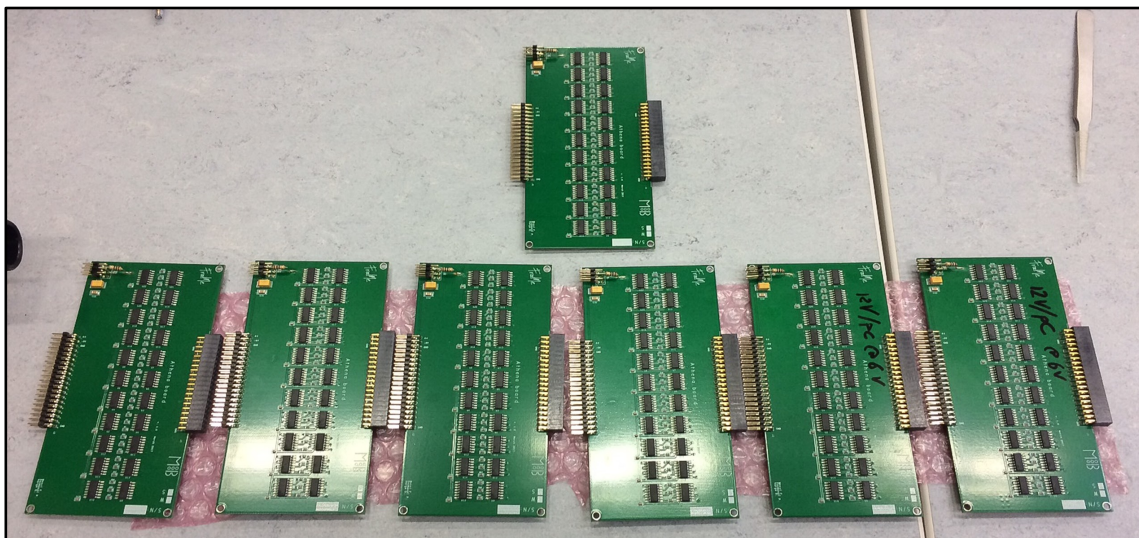
Scientist Summer Worker Highlights

MultiBlade: PreAmp modification and testing



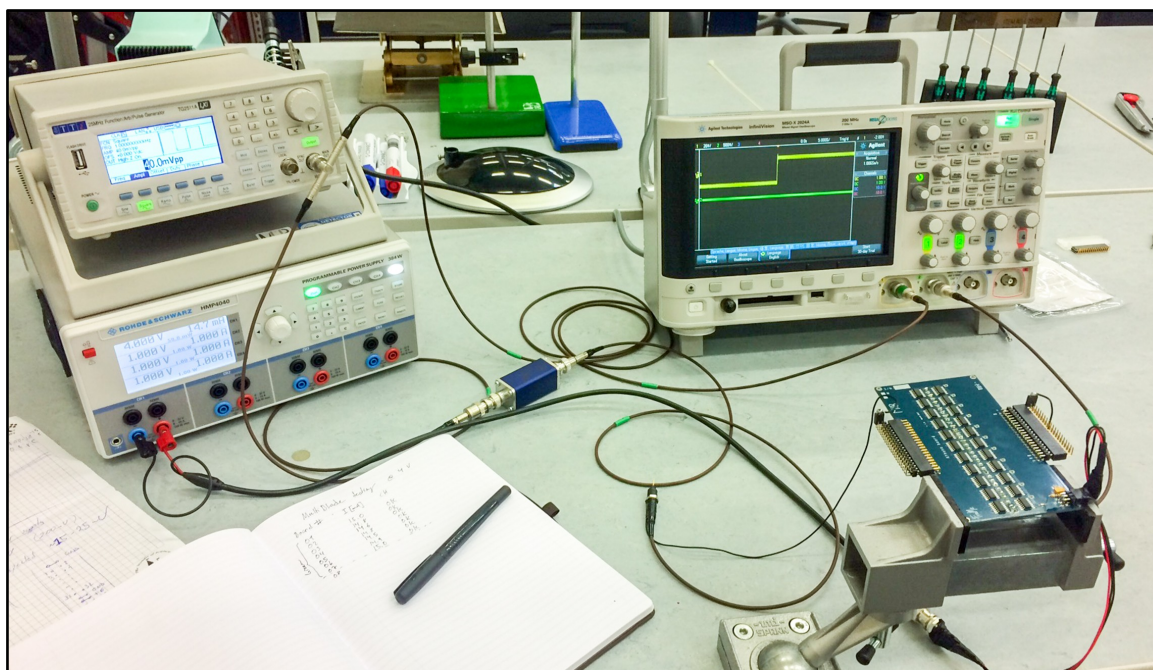
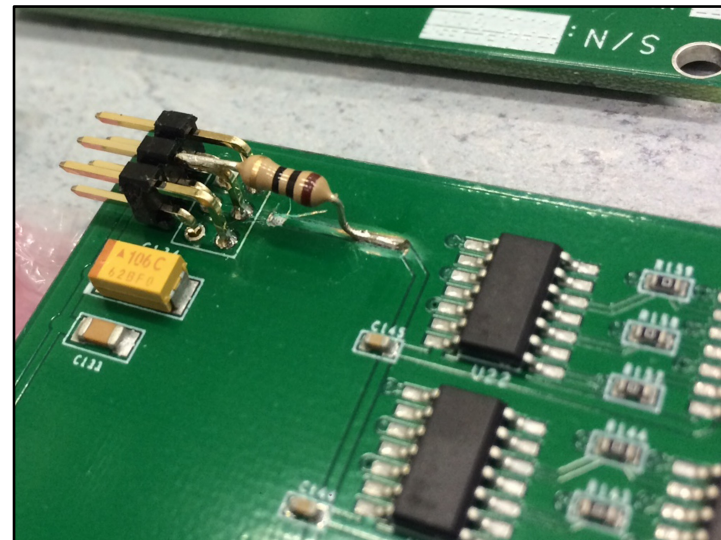
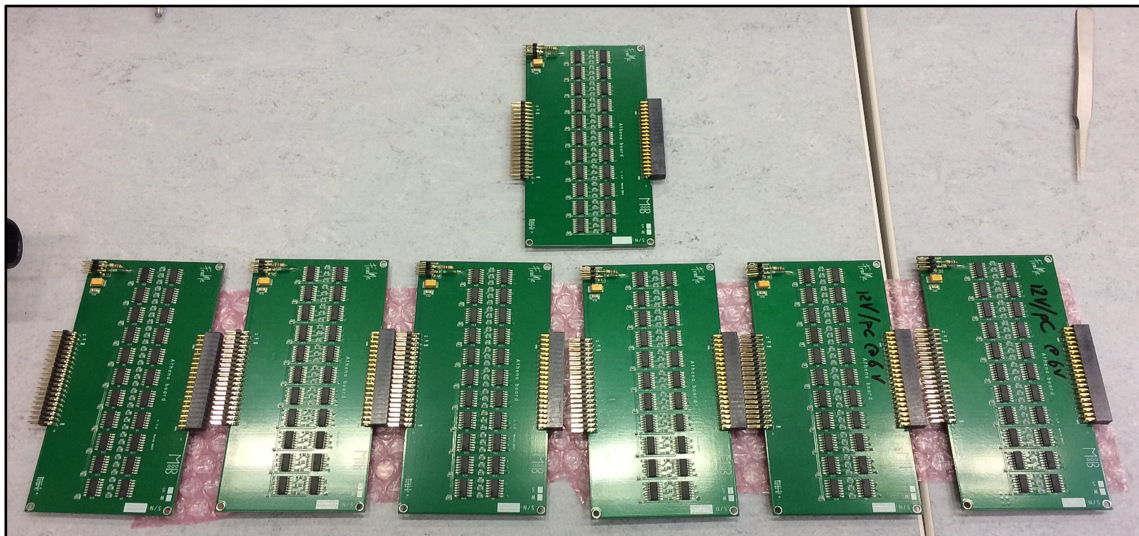
Scientist Summer Worker Highlights

MultiBlade: PreAmp modification and testing



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MultiBlade: PreAmp modification and testing

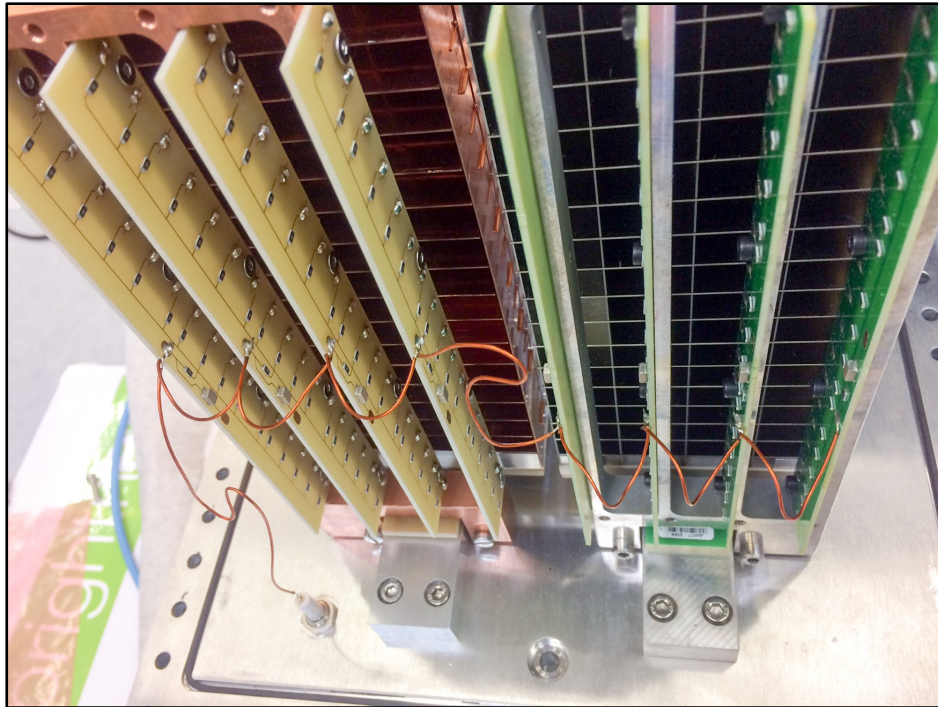


Scientist Summer Worker Highlights

MultiGrid: Assembly

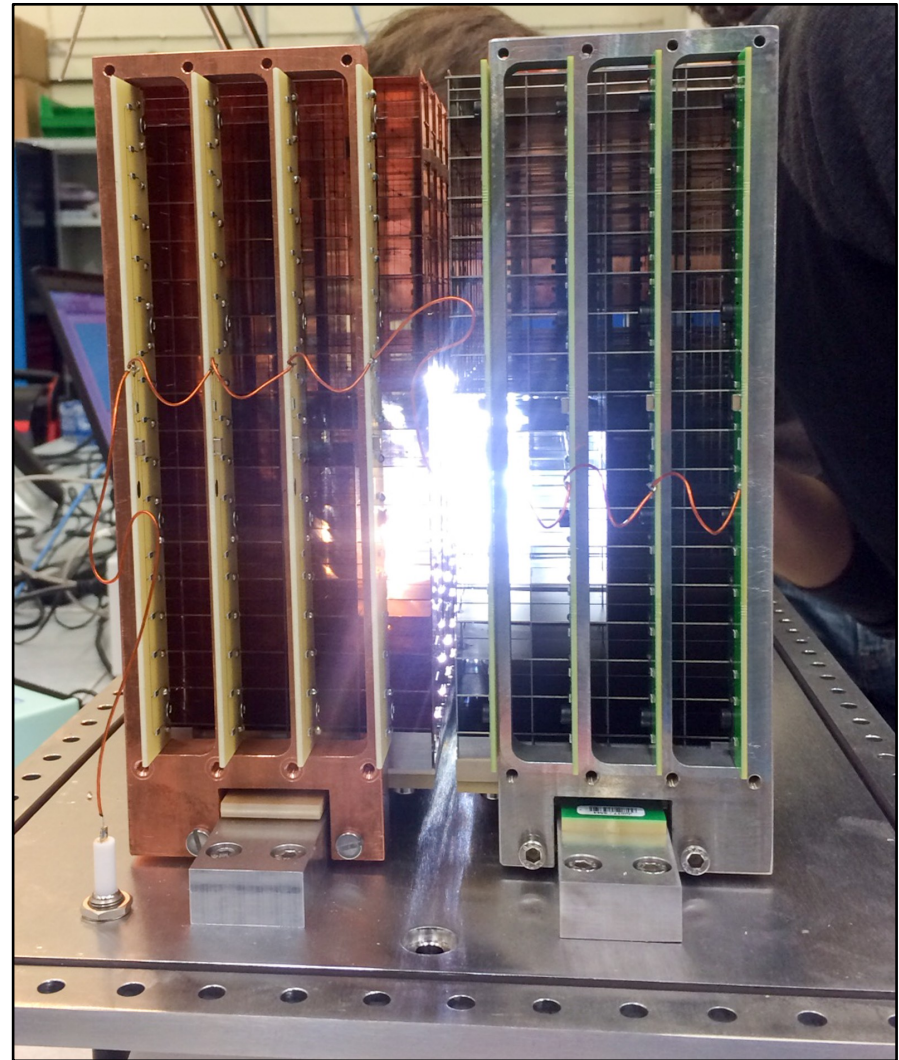
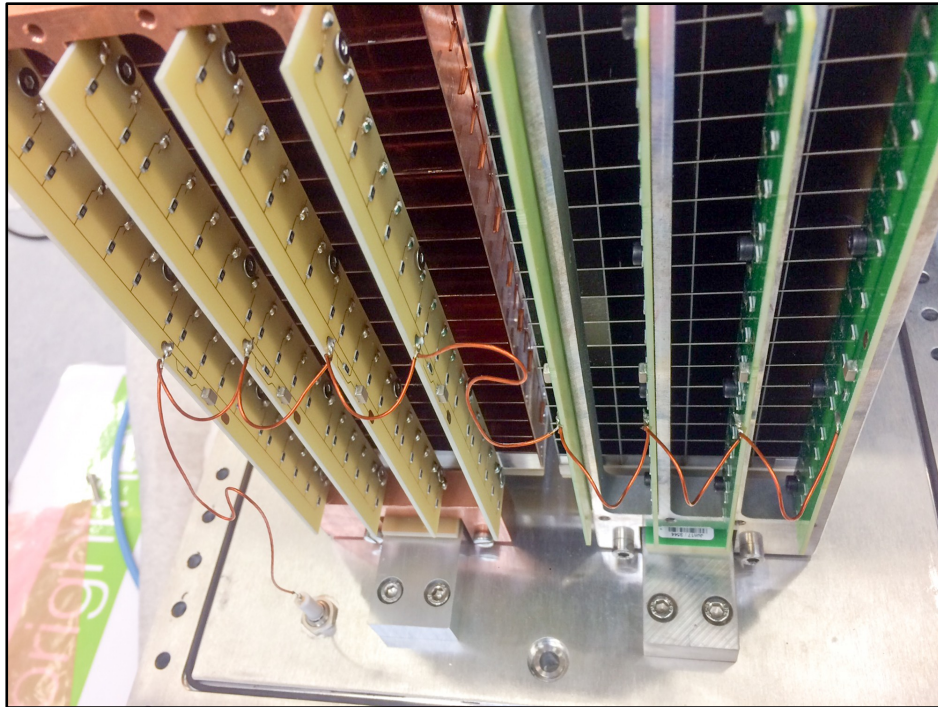
Scientist Summer Worker Highlights

MultiGrid: Assembly



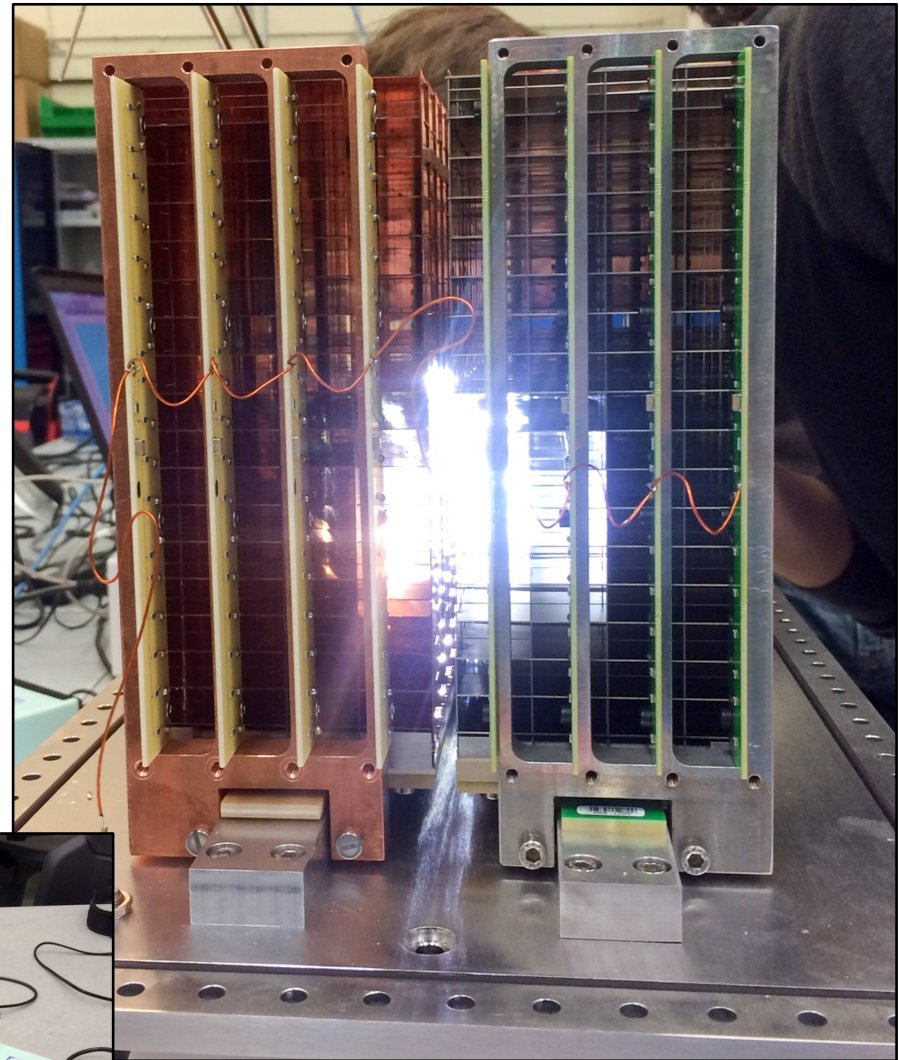
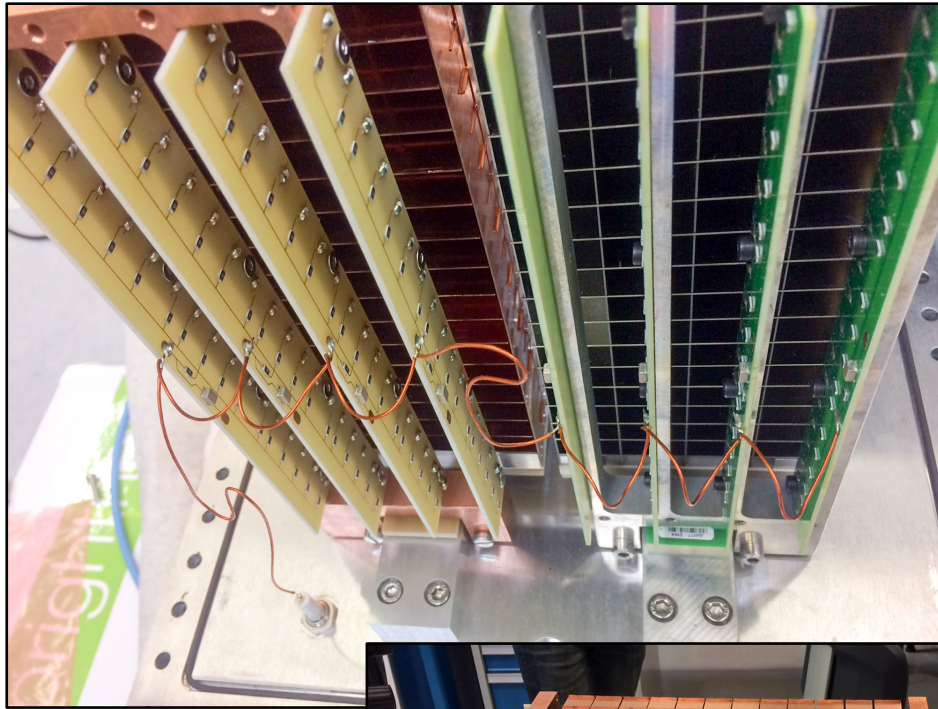
Scientist Summer Worker Highlights

MultiGrid: Assembly



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MultiGrid: Assembly

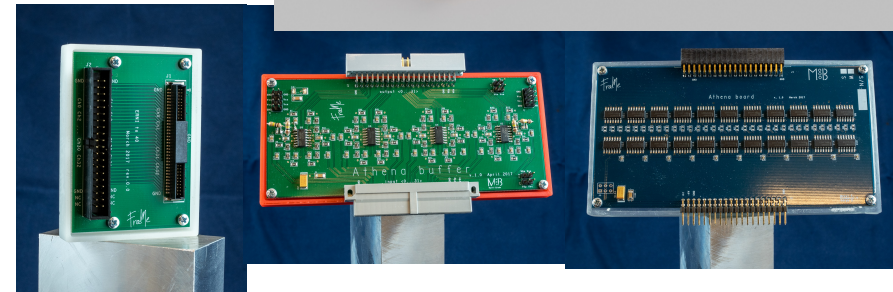
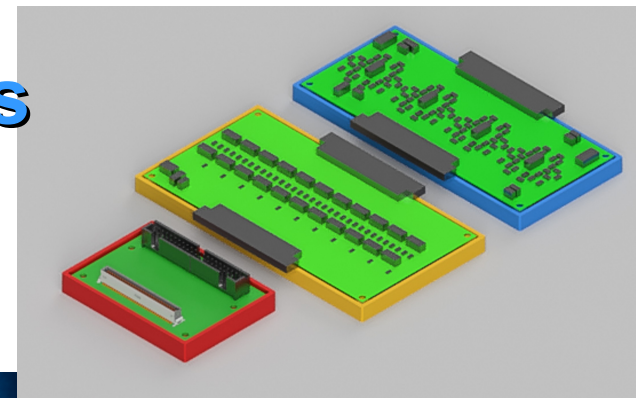


Scientist Summer Worker Highlights

CAD design/3D printing

Scientist Summer Worker Highlights

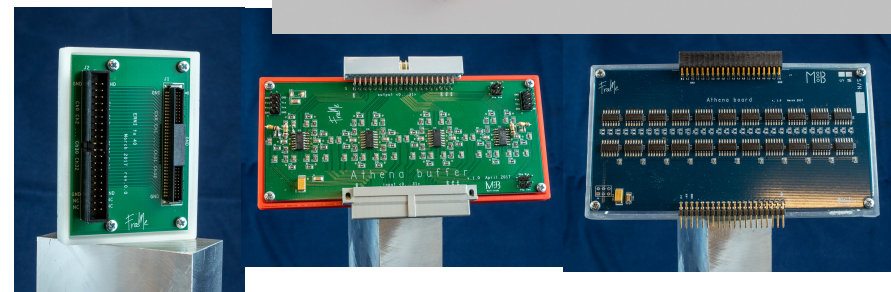
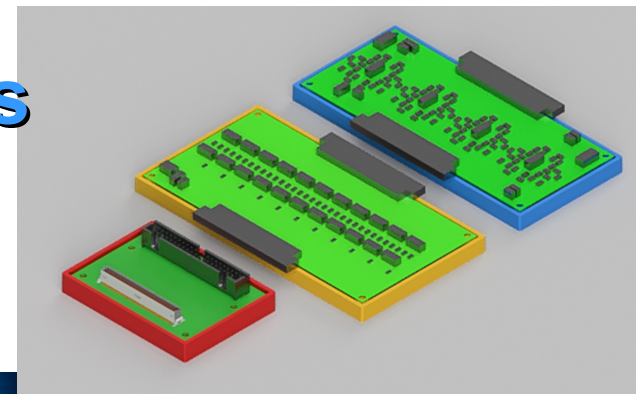
CAD design/3D printing



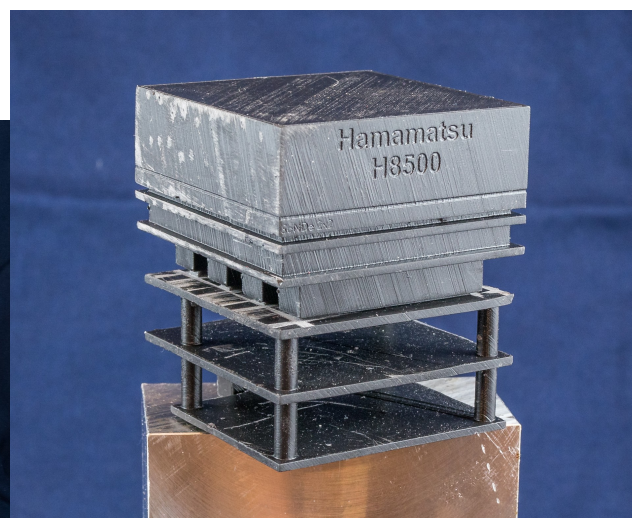
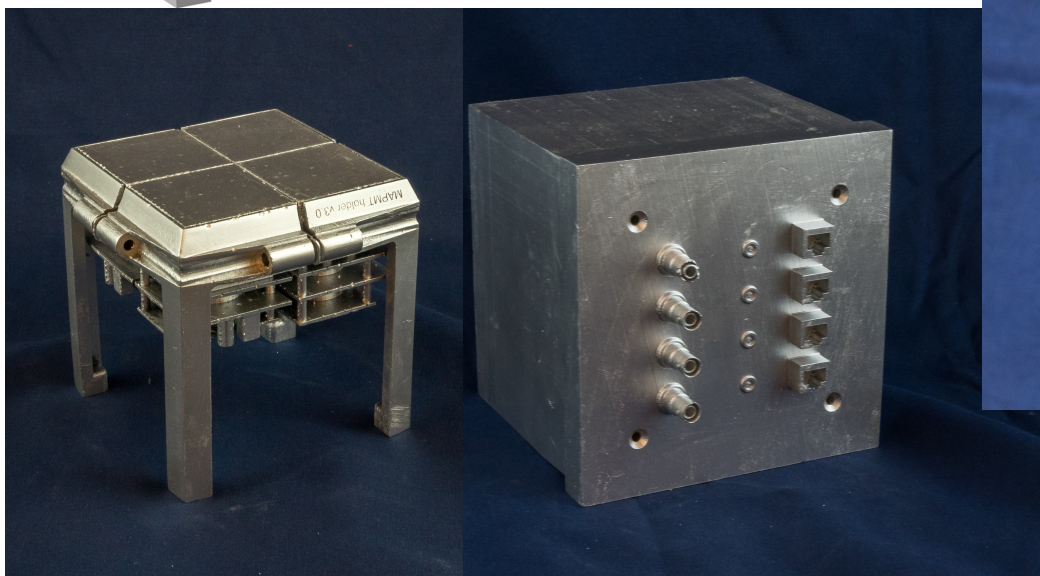
MultiBlade: PCB holders

Scientist Summer Worker Highlights

CAD design/3D printing



MultiBlade: PCB holders



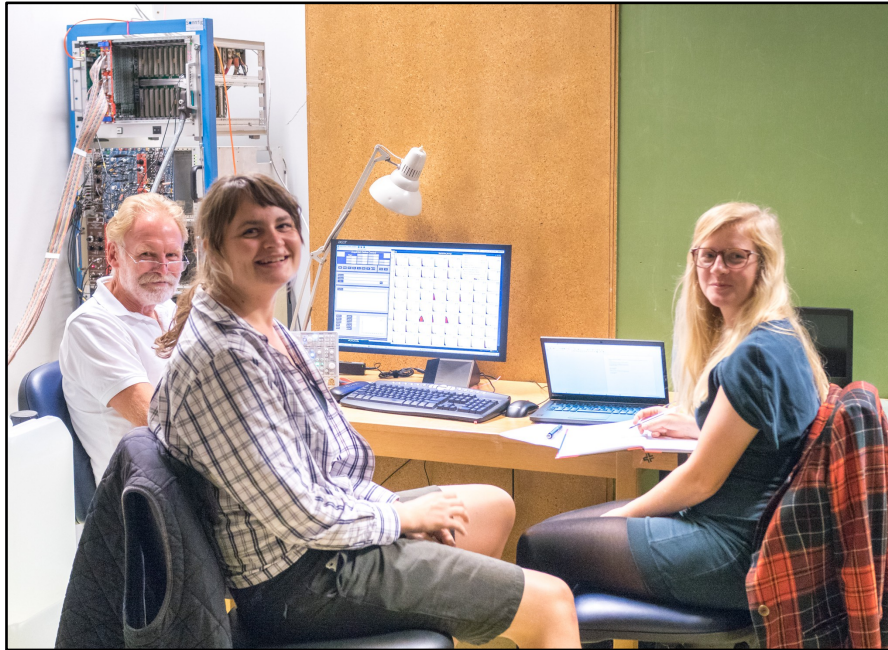
SoNDe: 2x2 prototype

Scientist Summer Worker Highlights

Experimental work at STF

Scientist Summer Worker Highlights

Experimental work at STF



SoNDe

Scientist Summer Worker Highlights

Experimental work at STF



SoNDe



Beam Monitors

Scientist Summer Worker Highlights

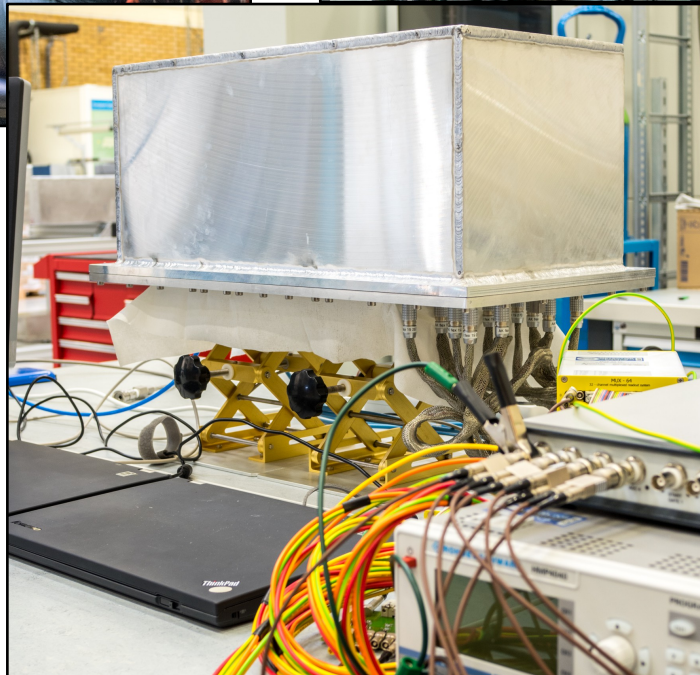
Experimental work at STF



SoNDe



Beam Monitors



MultiGrid

The Future

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- Extended ESS contract (half-time)

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- Project: Laser Testing Facility at STF

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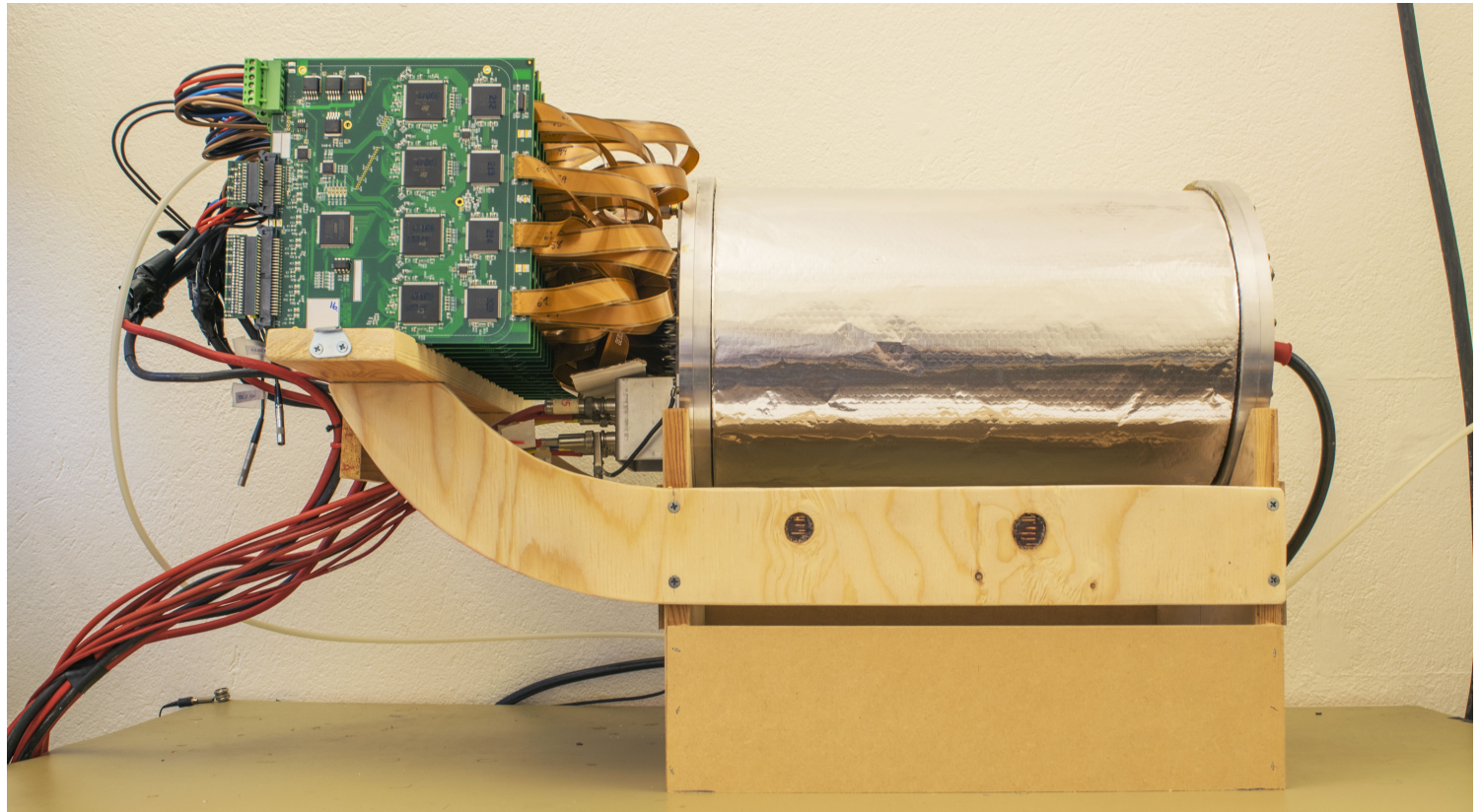
- Extended ESS contract (half-time)
- Project: Laser Testing Facility at STF
- Hunt for PhD 2018



Backup...

Bachelor in Physics 2013-2018

- *Developing a test procedure for neutron detection/non detection using a Small TPC Prototype*



Masters in Physics 2016-2018

Master Thesis (SONNIG + NOSG ESS)

