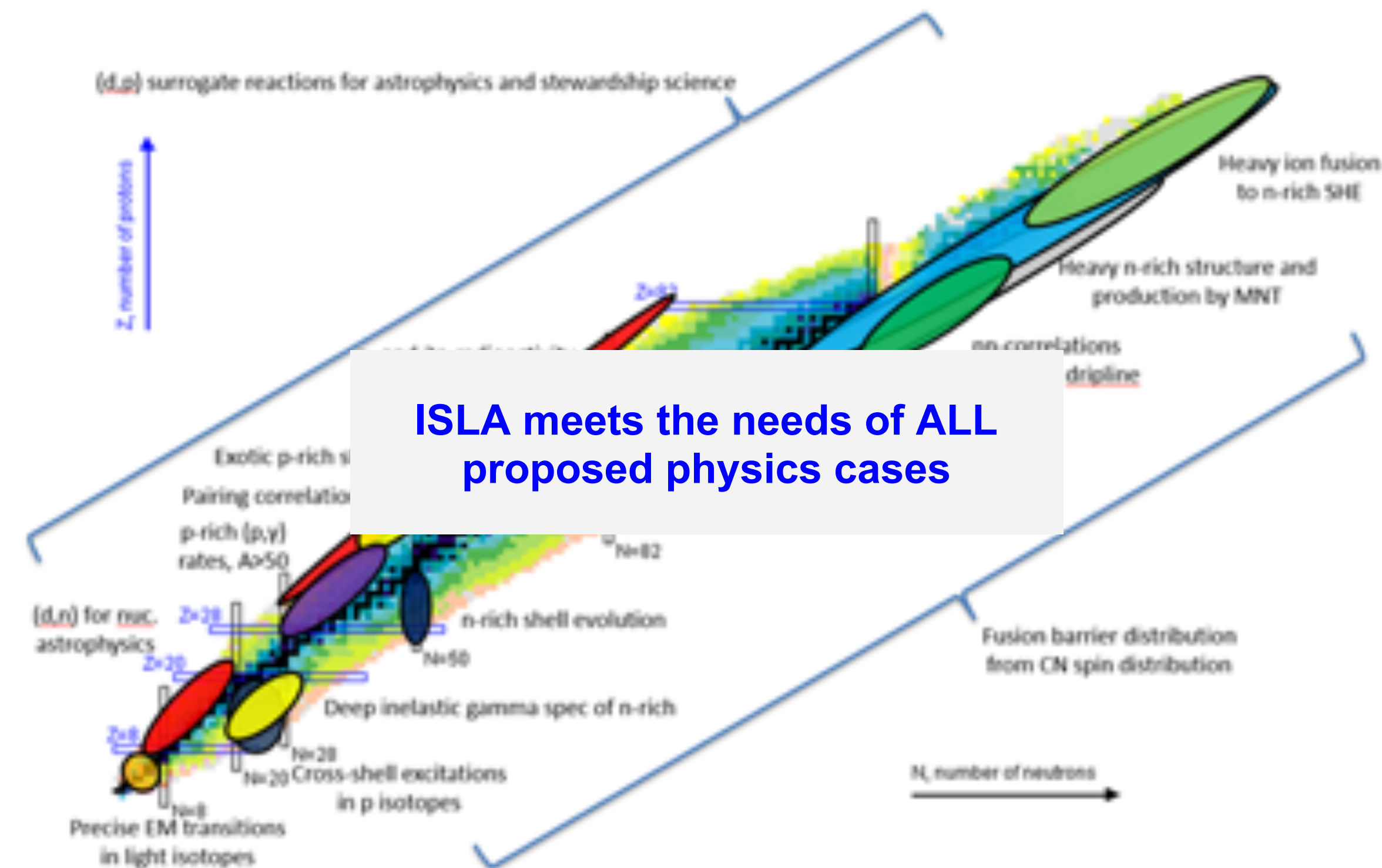


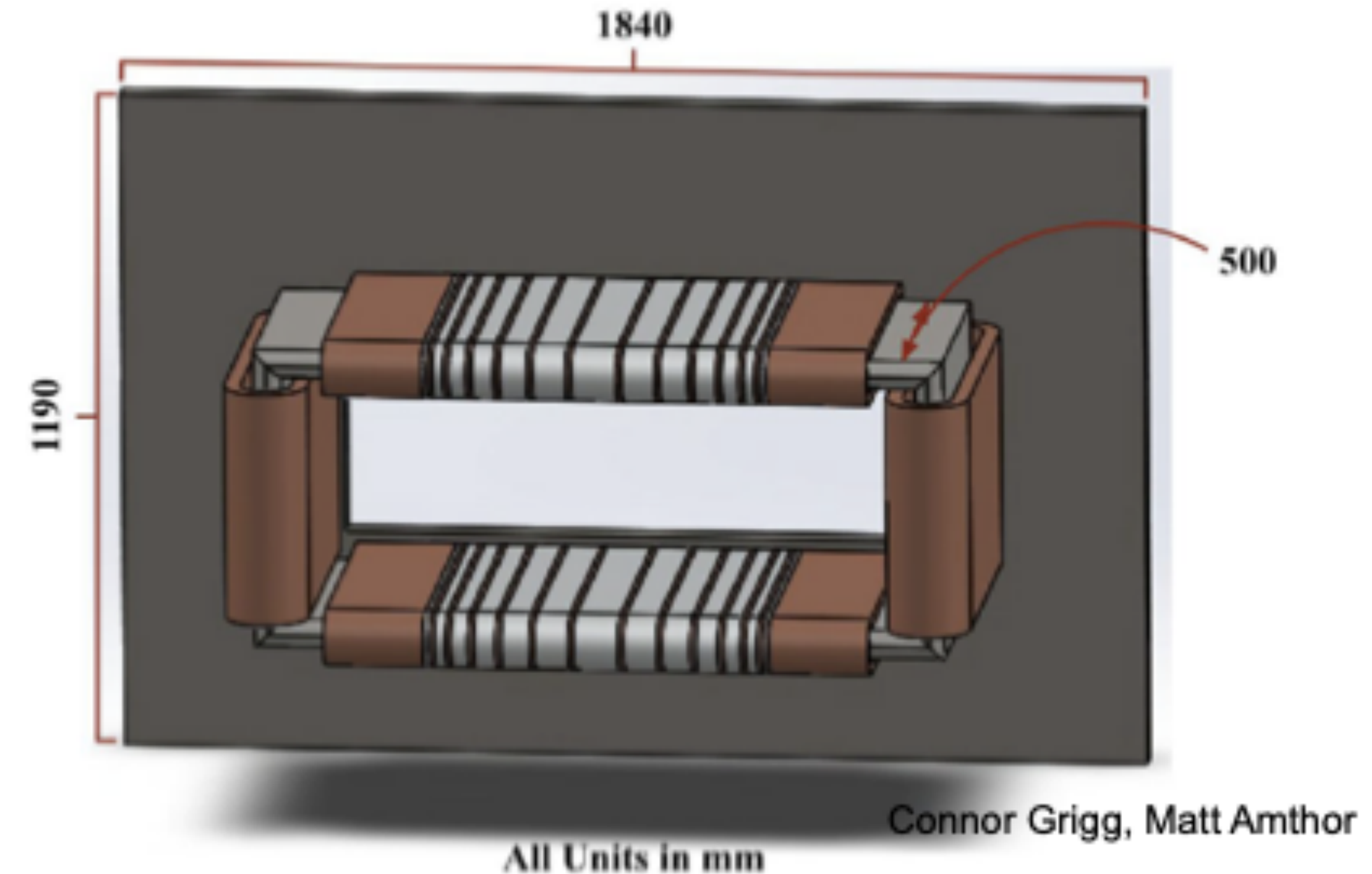
ISLA working group summary

- ISLA an essential component of FRIB science
 - ReA6 upgrade is ongoing – operations expected to start in FY2021
 - Improvements in re-accelerator means ReA6 would allow to start work on *nearly all* of the ISLA science cases (7.9 MeV/u at $A/Q=4$)
- Progress in the past year
 - Hardware corrections of aberrations and effective length of dipoles using Panofsky-inspired multipoles ($R > 1000$)
 - Improve resolution in A/Q via software corrections of time-of-flight ($R > 5000$)



ISLA working group summary

- The ISLA design is achieving its performance goals
- Path forward for funding
 - Mid-scale NSF proposal preferred path
 - Need to articulate unique science cases
 - Need risk analysis
- Next steps
 - Finalize mechanical design and simulation of magnets
 - Simulate specific ISLA benchmark experimental cases
 - Use ISLA configuration in LISE++
- Get involved and join the working group!
 - Email Matt Amthor, Wolfgang Mittig or Daniel Bazin



Panofsky-type multipole