

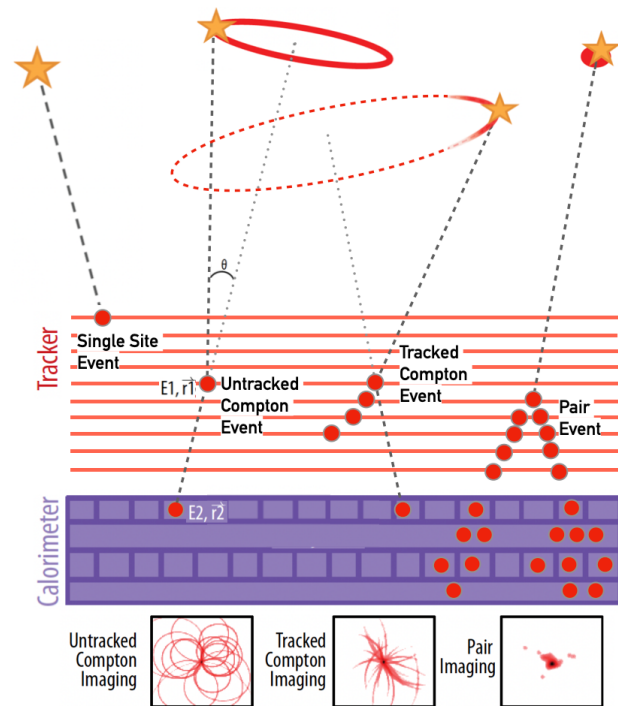
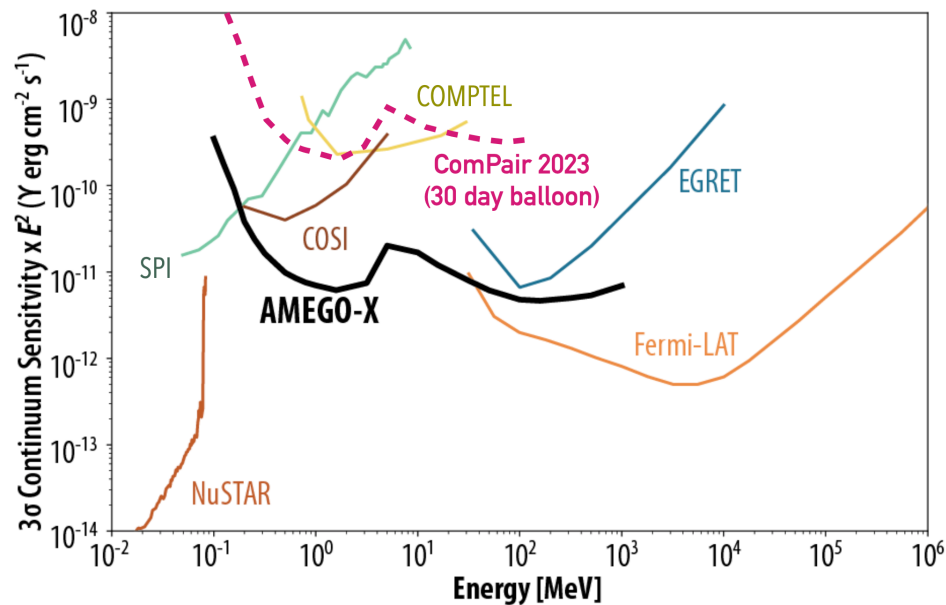
AMEGO-X/ComPair: A gamma-ray telescope and prototype

Regina Caputo (PI) NASA/GSFC

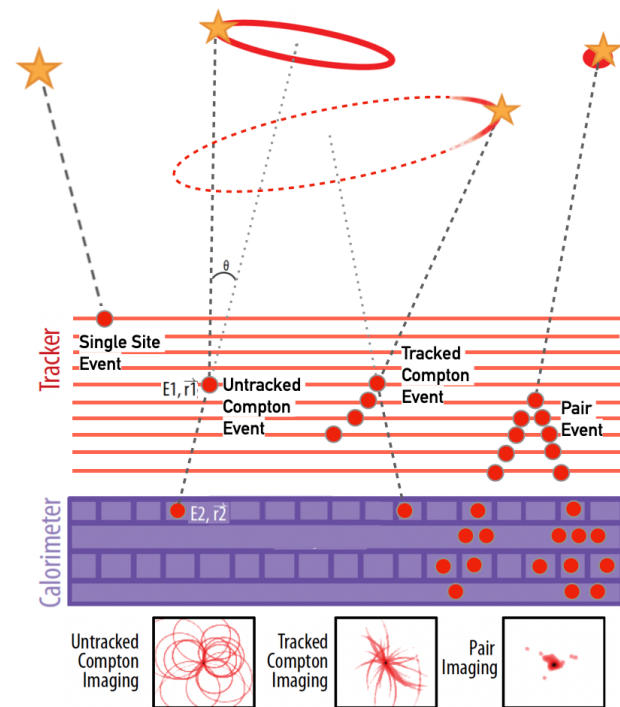
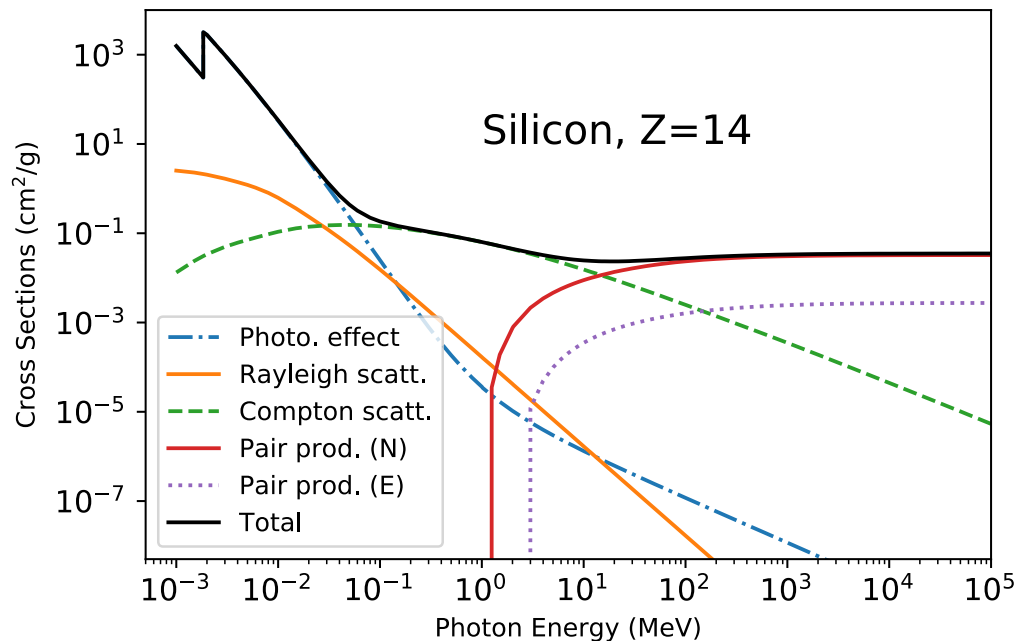
June 16, 2023



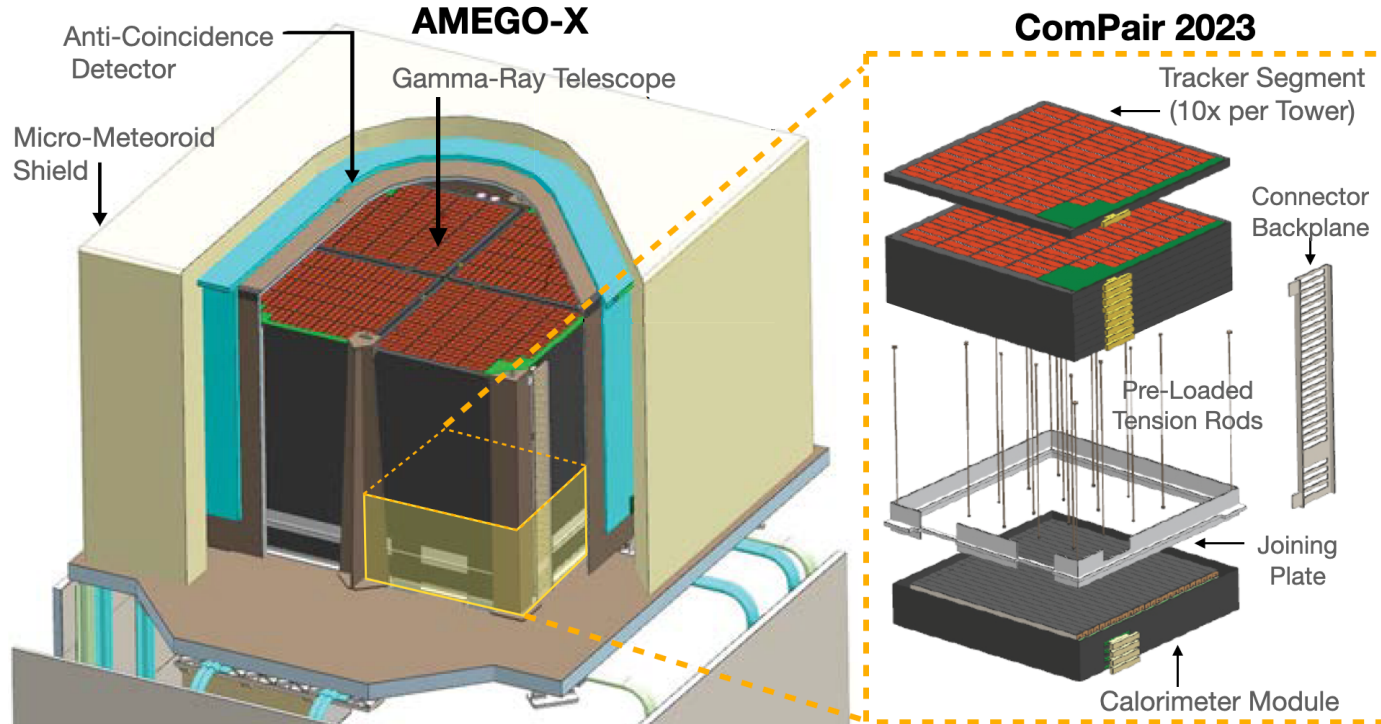
AMEGO-X: A next-generation gamma-ray telescope



AMEGO-X: A next-generation gamma-ray telescope



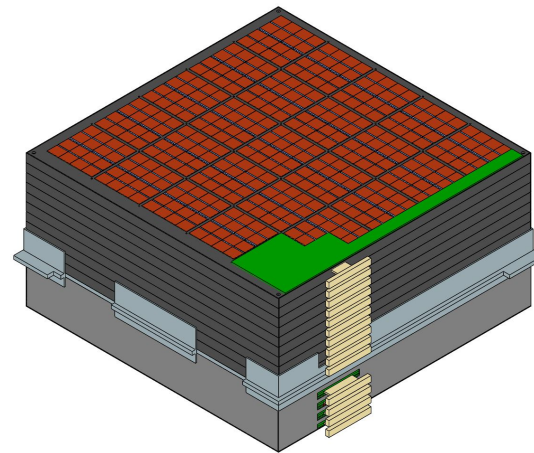
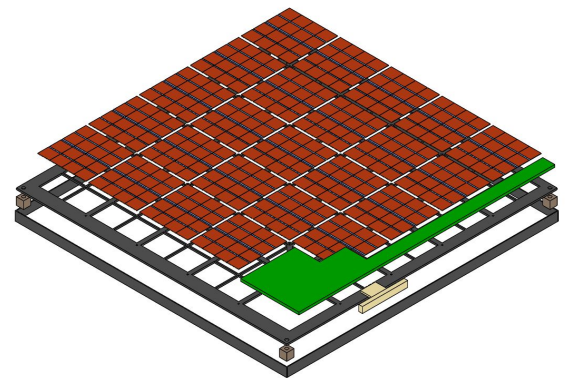
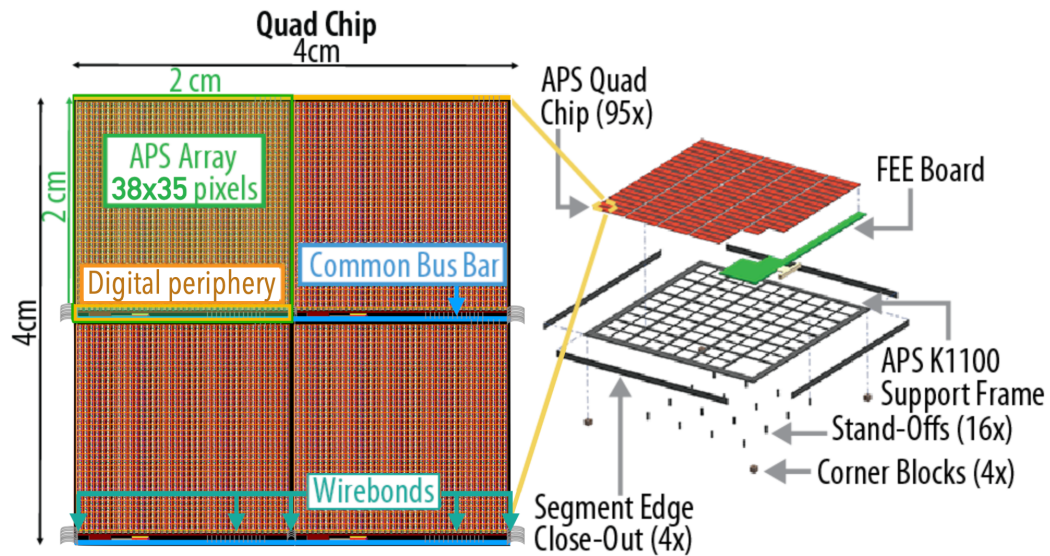
AMEGO-X: Prototype ComPair



ComPair project roles/responsibilities

Task	Institution (Individual)
AstroPix Tracker AstroPix chip testing Tracker FEE design and test I&T of single Tracker layers	GSFC, ANL, KIT, Collaborators Steinhebel, Fleischhack, Jadhav, Striebig, Suda Violette, Striebig, Leyes, Perić Metcalfe, Jadhav
Confirm telescope performance Data acquisition & triggering Calibration across energy range Beam test, TVAC and vibe	GSFC, NRL, ANL Sasaki, Parker, Shoenwald, Durachka Violette, Shy, Kirschner, Metzler, Sasaki Caputo, Kierans, Perkins, All
Demonstration of novel software Event reconstruction Real-time transient localization	GSFC, UCB, LANL, NRL Zoglauer, Fleischhack, Racusin, Cannady, Shy Parker, Zoglauer

Next Steps: ComPair



ComPair: Schedule and key milestones

