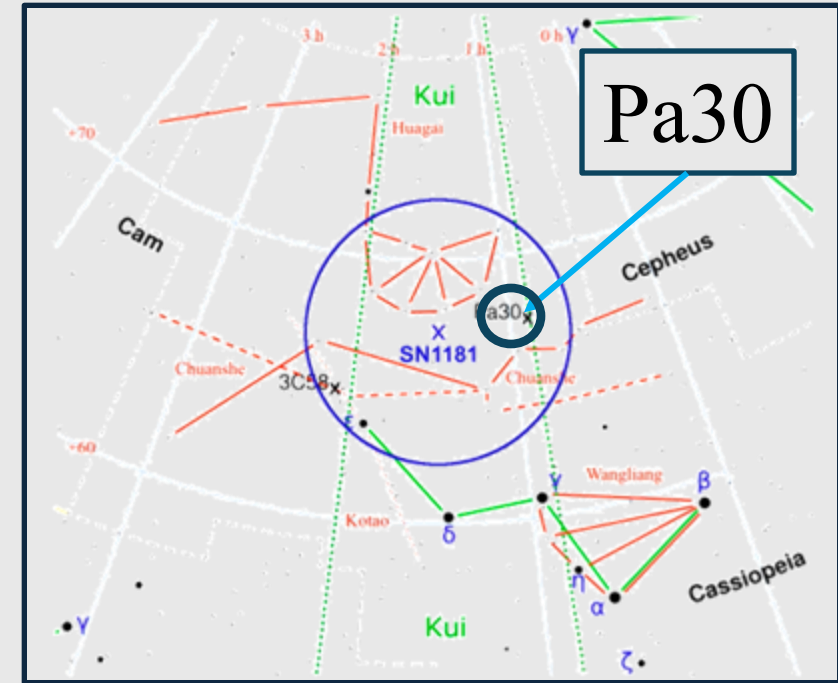


Revealing the Unique Multi-Structural Features of a Historical Type Iax Supernova Remnant with a White Dwarf Through Multi-Wavelength Observations

Takatoshi Ko (Univ. of Tokyo/Enrico Fermi Fellow)

Features of IRAS 00500+6713/ Pa30/ SN 1181

- ✓ The newest identified historical SN (SN 1181)
- ✓ SNR with a white dwarf in the center → SN Iax?
- ✓ Fast wind ($\sim 15,000$ km/s) from WD started blowing recently
- ✓ Long filament structure
- ✓ Dust formation in SNR



Ritter+ 2021



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Contents of my poster

- 1D dynamical structure model
- Radio source estimation and observation by VLA
- WD modelling to explain the fast delayed wind by MESA
- Future Chandra observation plan