

Details of Fast Eroding Thermocouples

- Fast eroding thermocouples are Type C
 - Developed at C-Mod: Brunner, LaBombard, RSI 2011 submitted
 - Made by NANMAC corp.
 - W/Re extension wiring
 - Leads taken out with twisted pair or coax cable
 - Typically have used special Type C feedthru (Including existing ones on the outer divertor gap H diagnostic tile)
 - Don't know if "standard" 19 pin feedthru will work
- Have 4 thermocouples in hand
 - 2 carbon ones installed presently in outer divertor, 2 Moly ones to go into inner divertor
 - Signal conditioning and d/a in hand (up to 16 channels)
 - Goal is to use eventually for feedback control in PCS
 - First step: desire 2 upper and 2 lower on inner divertor