

DRAGON Meeting Minutes Feb 3 2009

Present: DO, LB, CD, PM, CR(rec)

1. Hardware

Roots blowers have had oil changed - oil was black but no material found.

2. ^{23}Mg analysis

CR shows some analysis derived from GEANT simulations to obtain probability density function for resonance energy versus mean BGO z coord. This will be used in conjunction with low-stat coincidence data to put statistically meaningful limits on our obtained resonance strength and resonance energy combination. Unfinished - will work with DH on this when he returns from the Andes!

LE is confirming DHs PID analysis (update: confirmed).

UH to finish normalization when returns.

3. ^{22}Na schedule

^{22}Na targets arrived in Seattle Fri 30th a.m. Target scans were made (see attached) showing good activity distribution at limit of technique. Plan to start running wednesday 4th, until fri 13th Feb. CR will attend Mon-Fri 9th-13th. DO will attend later in week.

Update: targets were cleaned, removing <1% activity, and then evaporated with chrome. Run was succesful - over 17C on target, ~15C on 198 resonance. So far no yield seen - suggests much smaller strength than predicted (details still not ready for public consumption). Will continue to get best statistic measurement of dominant 214 keV resonance with next target. Next target is in transit. CR will go down to assist with shifts in two weeks' time.

4. Astrophysics scheduling meeting.

Once draft schedule is out - suggested that members of Dragon, Tuda, Tactic etc get together and discuss to see how we can coordinate our activities and strengthen our 'clout', if appeals to schedule need to be made, for example. Will wait until Tactic group back from ND and DAH back from Andes.

