



Cryoprobes	
A-1: TCI	– triple resonance, ¹³ C-enhanced
A-2: DCH	- dual ¹³ C/ ¹ H (¹³ C optimized)
A-3: QNP	– four/two nuclei ³¹ P, ¹³ C, ¹⁵ N/ ¹ H
Backup RT probes	
X/H (BBO)	- X tunable between ¹⁰⁹ Ag- ³¹ P (VT: -180oC/+150oC)
TXI (HCN)	triple resonance (VT: -180oC/+150oC)







QNP CryoProbe



³¹P, ¹³C, ¹⁵N Observe 4X S/N
¹H Decouple 4X S/N
²H Lock
²Gradient
5mm

Available at 500MHz













Default use of the Bruker instruments

TopSpin 2.0 $(22 \text{ for off-line use})^W$

Default user operation: automation through IconNMR















Additional software TopSpin 2.0 (22 – floating license)^W MNova (alpha-2, beta is coming in a month or so)^{WLM} ...in combination with NMRPredict (H,C, F, N) (Mestrelab, Modgraph – unlimited*) ACD 1D/2D Processor (v.9.0) (unlimited*)^W ...H and C Predictor (v.8.5, one working copy) AMIX (1) and AMIX-Viewer (3) (Bruker)^W NMRPipe, Chenomx, SIMCA-P, XPlor-NIH, etc.

Old instruments?

INOVA-600 – capillary applications
 INOVA-500 – other X nuclei (¹¹B, ²⁹Si, etc.) wide VT
 INOVA-400 – ¹⁹F?, quick routine use, 8mm probe H/X wide VT
 Mercury-300 – quick routine use, teaching instrument?

What we have?

- A-1: Fully operational (except ATM).
- A-2: Fully operational with RT (BBO) probe, cryoprobe to be installed in a few days/a week
- A-3: To be installed in few weeks

Cap/R: To be installed in few weeks

What is in the works?

User accounts and settings, selection of suitable experiments, parameters

Server, networking (old Varian-s later), communication protocol, archiving, software

Your comments, questions, suggestions...

Let's talk...