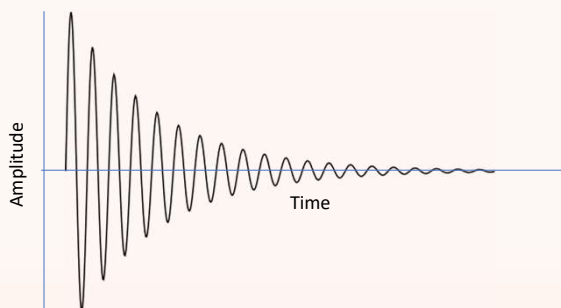




Institute NMR Facility (INF), IISc, Bangalore

Online NMR Users' Meeting (16 June 2023)



DST-SAIF
400 MHz Solid state



Experiments:
CP-MAS, 2D
HETCOR, single
pulse decoupling

4 mm MAS probe
for detection of
 ^1H and a X nuclei

Jeol

1D for ^1H and ^{13}C
2D experiments such as
HSQC, TOCSY, COSY,
NOESY, ROESY
3D experiments such as
HNCO, HNCA, HNCACO
Variable temperature
experiments

DST-SAIF
500 MHz Solution state



Liquid nitrogen
cooled variable
temperature unit

2-channel cryoprobe
for ^1H and a X nuclei
2-channel HFX probe
for simultaneous
decoupling of ^1H and
 ^{19}F
Autosampler

Jeol

Chemistry

Drug Discovery

Pharmaceuticals

Chemical Biology

Bio-inorganic Chemistry

Bio-organic Chemistry

Structural Biology

Metabolomics

Biochemistry

Materials

DST-SAIF
400 MHz Solution state



2-channel probe for
 ^1H and X nuclei

Two 4-channel probes
for ^1H , ^{31}P , ^{13}C & ^{15}N
or ^1H , ^{31}P , ^{13}C & ^{19}F

Autosampler

Bruker

500 MHz Solution state



2-channel probe
for detection of ^1H
and a X nuclei

Jeol

500 MHz Solution state



4-channel probe for
 ^1H , ^{31}P , ^{13}C & ^{15}N

2-channel probe for
 ^1H and X nuclei

3-channel probe for
 ^1H , ^{13}C & ^{15}N

4-channel probe for
 ^1H , ^2D , ^{19}F , ^{13}C and
 ^{15}N

Bruker

700 MHz Solution state

4-channel probe for ^1H , ^{19}F , ^{13}C , ^{15}N
3-channel for ^1H , ^{13}C & ^{15}N
2-channel for ^1H and X nuclei

Bruker



800 MHz Solution state

3-channel
cryoprobe for detection of
 ^1H , ^{15}N , and ^{13}C
5 mm and 1.7 mm
probes

Autosampler

Bruker

800 MHz, 700 MHz,
600 MHz, 500 MHz,
400 MHz.
Solution and Solid
State NMR
Spectrometers.
Consultancies.

600 MHz coming soon

- Website : <https://inf.iisc.ac.in/>
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