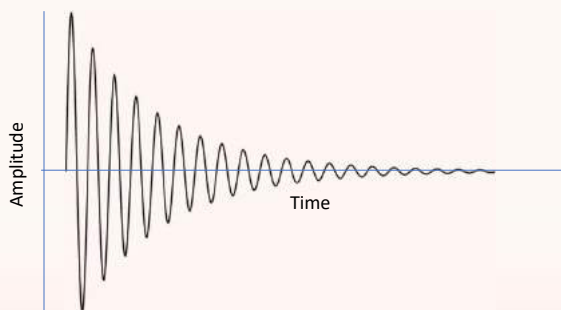




# Institute NMR Facility (INF), IISc, Bangalore

## Online NMR Users' Meeting (16 June 2023)



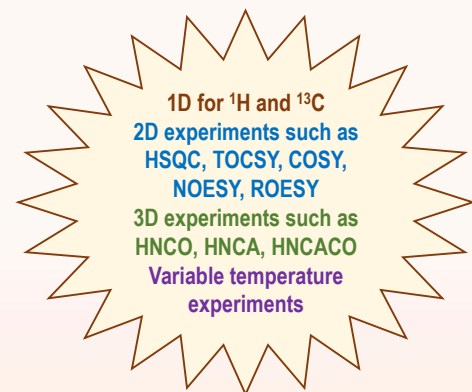
DST-SAIF  
400 MHz Solid state



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

4 mm MAS probe  
for detection of  
 $^1\text{H}$  and a X nuclei

Jeol



DST-SAIF  
500 MHz Solution state



Liquid nitrogen  
cooled variable  
temperature unit

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

Jeol

DST-SAIF  
400 MHz Solution state



2-channel probe for  
 $^1\text{H}$  and X nuclei  
Two 4-channel probes  
for  $^1\text{H}$ ,  $^{31}\text{P}$ ,  $^{13}\text{C}$  &  $^{15}\text{N}$   
or  $^1\text{H}$ ,  $^{31}\text{P}$ ,  $^{13}\text{C}$  &  $^{19}\text{F}$

Autosampler

Bruker

500 MHz Solution state



2-channel probe  
for detection of  $^1\text{H}$   
and a X nuclei

Jeol

500 MHz Solution state



4-channel probe for  
 $^1\text{H}$ ,  $^{31}\text{P}$ ,  $^{13}\text{C}$  &  $^{15}\text{N}$   
2-channel probe for  
 $^1\text{H}$  and X nuclei  
3-channel probe for  
 $^1\text{H}$ ,  $^{13}\text{C}$  &  $^{15}\text{N}$   
4-channel probe for  
 $^1\text{H}$ ,  $^2\text{D}$ ,  $^{19}\text{F}$ ,  $^{13}\text{C}$  and  
 $^{15}\text{N}$

Bruker



700 MHz Solution state

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

Bruker



800 MHz Solution state

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

Autosampler

Bruker



600 MHz coming soon

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