

# Solid State NMR Resource

Instrument	Field	Model/Year	RF-Console	Magnet	Software	Probes			
						Nature	Type	Max Spinning Speed	Temperature Range <sup>  </sup>
500-MHz	11.5 Tesla	Bruker/2011	AVANCEIII; 3-channel; Gradient	Shielded Superconducting	Topspin 3.0	*4.0 mm CP-MAS <sup>1</sup> H, <sup>19</sup> F/ <sup>14</sup> N- <sup>31</sup> P	Double-resonance	15.0 kHz	(-)70C - (+)120C
						<sup>§</sup> 4.0 mm HR-MAS <sup>1</sup> H/ <sup>13</sup> C	Double-resonance	15.0 kHz	(-)20C - (+)80C
						2.5 mm CP-MAS <sup>1</sup> H/ <sup>15</sup> N- <sup>31</sup> P	Double-resonance	35.0 kHz	(-)20C - (+)50C
						2.5 mm Tri-Gamma <sup>1</sup> H/ <sup>13</sup> C- <sup>31</sup> P/ <sup>15</sup> N- <sup>23</sup> Na	Triple-resonance	35.0 kHz	(-)50C - (+)50C
300-MHz	6.9 Tesla	Bruker/2004	TecMag; 3-channel	Non-Shielded Superconducting	NTNMR	*7.0 mm CP-MAS <sup>1</sup> H/ <sup>15</sup> N- <sup>31</sup> P	Double-resonance	7.0 kHz	(-)150C - (+)250C
						4.0 mm CP-MAS <sup>1</sup> H/ <sup>15</sup> N- <sup>31</sup> P	Double-resonance	15.0 kHz	(-)150C - (+)250C

\*Installed Routine Probe; <sup>§</sup>Gradient capable; <sup>||</sup>Consult an NMR staff member