

Property		$[\text{N}(\text{CH}_3)_4]^+ \text{ (X=N)}$	$[\text{P}(\text{CH}_3)_4]^+ \text{ (X=P)}$	$[\text{S}(\text{CH}_3)_3]^+ \text{ (X=S)}$
Angle	C-X-C	109.5°	109.4°	102.7°
Geometry	X	tetrahedral	tetrahedral	distorted trigonal pyramidal
Bond length	C-X	1.51 Å	1.82 Å	1.82 Å
	C-H	1.09 Å	1.09 Å	1.09 Å
Electronegativity	X	3.04	2.19	2.58
	C	2.55		
	H	2.20		
Charge	X	-0.295	1.667	0.917
	C	-0.486	-1.060	-0.846
	H	0.269	0.298	0.297, 0.279
Contribution to C-X bonding	C	33.65%	59.57%	48.67%
	X	66.35%	40.43%	51.33%
MOs composition	X - s	24.99% (1.00)	25.02% (1.00)	16.95% (1.00)
	X - p	74.98% (3.00)	74.13% (2.96)	82.42% (4.86)
	X - d	0.03% (0.00)	0.85% (0.03)	0.63% (0.04)
	C - s	20.77% (1.00)	25.25% (1.00)	19.72% (1.00)
	C - p	79.07% (3.81)	74.67% (2.96)	80.15% (4.07)
	C - d	0.16% (0.01)	0.08% (0.00)	0.14% (0.01)