

Structure Data of Free Polyatomic Molecules

51	AsH ₂		Arsenic dihydride		C _{2v}
MW			λ^2 -Arsane		AsH ₂
	r_z	\AA		θ_z	deg
	AsH ₂	AsD ₂		AsH ₂	AsD ₂
	As–H	1.53436(15)	1.52902(13)	H–As–H	90.695(20) 90.722(17)
	r_0	\AA		θ_0	deg
	AsH ₂	AsD ₂		AsH ₂	AsD ₂
	As–H	1.527(22)	1.524(17)	H–As–H	90.7(28) 90.7(20)
	$r_e^a)$	\AA		$\theta_e^a)$	deg
	As–H	1.5158(6)		H–As–H	90.79(8)

^{a)} Estimated from the difference between the r_z structures of AsH₂ and AsD₂.

Fujiwara, H., Saito, S.: J. Mol. Spectrosc. **192** (1998) 399.

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