



Carbon tetrafluoride (PFC-14)

ID: 42

Line lists details:

The line list is part of HITRAN2020 (I.E. Gordon, et al. (2021), *JQSRT*, submitted).

Details	
Isotopologues:	¹² C ¹⁹ F ₄
Total number of lines:	842 709
Wavenumber range:	582.830 – 1518.016 cm ⁻¹
Intensity range:	1.000×10 ⁻²⁴ – 8.397×10 ⁻²⁰ cm/molecule
First included in HITRAN:	HITRAN2016 [LINK]
Following updates:	N/A

Reference codes:

Parameter	Reference number	Source
ν	1	V. Boudon, Université de Bourgogne, private communication (2008)
S	1	V. Boudon, Université de Bourgogne, private communication (2008)
γ_{air}	1	S. Höjer, R.D. May (1996), <i>J. Mol. Spectrosc.</i> 178 , 139-142 [LINK]
γ_{self}	1	I.E. Gordon, et al. (2016), <i>JQSRT</i> 239 , 3-69 [LINK]
n_{air}	1	S. Höjer, R.D. May (1996), <i>J. Mol. Spectrosc.</i> 178 , 139-142 [LINK]
δ_{air}	0	N/A