| 0 | Excited state | U2 | U4 | U6 | Integrated cross section (cm² nm) @ | Mean peak wavelength (nm) | Refractive index | Fexp | S _{exp} (cm²) | S _{calc} (cm²) | Barycenter (cm ⁻¹) |
|-------------|--|--------------------------------|--------------------------|---|--|--|--|--|--|--|--|
| | ⁴ I _{15′2} | | | | | | | | | | 109 |
| 2 | 41,3'2 | 0.0194984 | 0.1173353 | 1.4316383 | 7e-19 | 1520 | 1.9986 | 0.000003429 | 3.846e-20 | 3.491e-20 | 6570 |
| 3 | ⁴ I _{11′2} | 0.0281916 | 0.0003049 | 0.3952644 | 9.41e-20 | 974 | 2.0099 | 0.000001123 | 7.993e-21 | 1.090e-20 | 10202 |
| 3 | ⁴ l _{9′2} | 0.1181329 | 0 | 0.0099097 | 3.41e-20 | 801 | 2.0194 | 6.015e-7 | 3.494e-21 | 9.269e-21 | 12412 |
| 3 | ⁴F _{9′2} | 0 | 0.5353863 | 0.4617945 | 1.48e-19 | 655 | 2.0349 | 0.000003904 | 1.831e-20 | 1.829e-20 | 15237 |
| | ⁴ S _{3[']2} | 0 | 0 | 0.2211363 | 1.95e-20 | 544 | 2.0579 | 7.458e-7 | 2.849e-21 | 4.888e-21 | 18359 |
| | ² H ₁₁ / ₂ | 0.712554 | 0.4123647 | 0.0924666 | 4.21e-19 | 521 | 2.0652 | 0.00001755 | 6.384e-20 | 6.286e-20 | 19110 |
| | | | | | | | | | | | |
| | ⁴ _{F∕₂} neoreti | ocal overla | 0.1468776 aps betwe | o.6265381 en ⁴ S _{3/2} al | 6.53e-20 nd ² H _{11/2} | 489 | 2.0775 | 0.000003091 | 1.044e-20 | 1.607e-20 | 20448 |
| | | | | | | Mean peak wavelength (nm) | 2.0775 Refractive index | 0.000003091 Fexp | 1.044e-20 S _{exp} (cm ²) | 1.607e-20 Scalc (cm²) | |
| Γŀ | neoreti | cal overla | ps betwe | en ⁴ S _{3/2} ai | nd ² H _{11/2} Integrated cross section | Mean peak wavelength | Refractive | | | | Barycente |
| □ | neoreti Excited state | cal overla | ps betwe | en ⁴ S _{3/2} ai | nd ² H _{11/2} Integrated cross section | Mean peak wavelength | Refractive | | | | Barycente (cm¹) |
| Γ ∤ | Excited state | cal overla | aps betwe | en ⁴ S _{3/2} al | nd ² H _{11/2} Integrated cross section (cm²nm) @ | Mean peak wavelength (nm) | Refractive index | Fexp | S _{exp} (cm²) | Scalc (cm²) | Barycente (cm²) |
| - } | Excited state | cal overla u2 0.0194984 | u4 0.1173353 | en ⁴ S _{3/2} al u ₆ | Integrated cross section (cm² nm) @ | Mean peak wavelength (nm) | Refractive index | Fexp 0.000003429 | S _{exp} (cm²) | Scalc (cm²) 3.533e-20 | Barycente (cm¹) 109 6570 |
| · · · | Excited state 41,15/2 41,15/2 41,15/2 | 0.0194984 0.0281916 | u4 0.1173353 0.0003049 | en ⁴ S _{3/2} al u6 | nd ² H _{11/2} Integrated cross section (cm² nm) © 7e-19 | Mean peak wavelength (nm) | Refractive index | Fexp 0.000003429 0.000001123 | S _{exp} (cm²) 3.846e-20 7.993e-21 | Scalc (cm²) 3.533e-20 1.098e-20 | Barycente (cm ⁻¹) 109 6570 10202 |
| 9 | Excited state 4115/2 4113/2 4111/2 4111/2 | 0.0194984 0.0281916 0.1181329 | 0.0003049 | en ⁴ S _{3/2} al u6 1.4316383 0.3952644 0.0099097 | nd ² H _{11/2} Integrated cross section (cm² nm) © 7e-19 9.41e-20 3.41e-20 | Mean peak wavelength (nm) 1520 974 801 | Refractive index 1.9986 2.0099 2.0194 | 0.000003429 0.000001123 6.015e-7 | S _{exp} (cm²) 3.846e-20 7.993e-21 3.494e-21 | Scalc (cm²) 3.533e-20 1.098e-20 8.948e-21 | Barycente (cm ⁻¹) 109 6570 10202 |
| Γŀ | Excited state 41,6/2 41,11/2 41,11/2 41,11/2 41,11/2 47,11/2 | 0.0194984 0.0281916 0.1181329 | 0.0003049 0.5353863 | en ⁴ S _{3/2} al u6 1.4316383 0.3952644 0.0099097 0.4617945 | nd ² H _{11/2} Integrated cross section (cm² nm) © 7e-19 9.41e-20 3.41e-20 1.48e-19 | Mean peak wavelength (nm) 1520 974 801 655 | Refractive index 1.9986 2.0099 2.0194 2.0349 | 0.000003429 0.000001123 6.015e-7 0.000003904 | S _{exp} (cm²) 3.846e-20 7.993e-21 3.494e-21 1.831e-20 | \$calc (cm²) 3.533e-20 1.098e-20 8.948e-21 1.813e-20 | Barycente (cm ⁻¹) 109 6570 10202 12412 15237 |