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120 \*P3\_221 | |  | 0 0 .666666667 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=00865.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=00865.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=00865.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=00865.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=00865.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=00865.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('00865')) ([**permalink**](javascript:viewJmolPermalink('0000790'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=00866.amc&down=amc) | | **[Download hom/quartz.pdf](http://rruff.geo.arizona.edu/doclib/hom/quartz.pdf)** | Levien L, Prewitt C T, Weidner D J | | **[Download 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([**permalink**](javascript:viewJmolPermalink('0000791'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=00867.amc&down=amc) | | **[Download hom/quartz.pdf](http://rruff.geo.arizona.edu/doclib/hom/quartz.pdf)** | Levien L, Prewitt C T, Weidner D J | | **[Download am/vol65/AM65_920.pdf](http://rruff.geo.arizona.edu/doclib/am/vol65/AM65_920.pdf)** | American Mineralogist 65 (1980) 920-930 | |  | Structure and elastic properties of quartz at pressure | |  | P = 48.6 kbar | |  | \_database\_code\_amcsd 0000792 | |  | 4.739 4.739 5.279 90 90 120 \*P3\_221 | |  | 0 0 .666666667 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=00867.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=00867.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=00867.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=00867.cif&down=text)) [**Download 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pressure | |  | P = 61.4 kbar | |  | \_database\_code\_amcsd 0000794 | |  | 4.702 4.702 5.256 90 90 120 \*P3\_221 | |  | 0 0 .666666667 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=00869.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=00869.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=00869.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=00869.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=00869.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=00869.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('00869')) ([**permalink**](javascript:viewJmolPermalink('0000794'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=04295.amc&down=amc) | | **[Download 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section of an ultrahigh-pressure metamorphic rock and their crystal structure details | |  | Locality: Oomine granite, Tenkawa-mura, Nara, Southwest Japan | |  | Sample: in air | |  | \_database\_code\_amcsd 0004266 | |  | 4.918 4.918 5.407 90 90 120 \*P3\_221 | |  | 0 0 .6666666666666666667 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=04296.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=04296.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=04296.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=04296.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=04296.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=04296.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('04296')) ([**permalink**](javascript:viewJmolPermalink('0004266'))) | |  |  | |  | 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refinement of quartz, sodalite, tremolite, and meionite | |  | Locality: not specified | |  | \_database\_code\_amcsd 0006212 | |  | 4.913437 4.913437 5.405118 90 90 120 P3\_221 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=06904.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=06904.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=06904.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=06904.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=06904.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=06904.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('06904')) ([**permalink**](javascript:viewJmolPermalink('0006212'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=07318.amc&down=amc) | | **[Download hom/quartz.pdf](http://rruff.geo.arizona.edu/doclib/hom/quartz.pdf)** | Kihara K | |  | European Journal of Mineralogy 2 (1990) 63-77 | |  | An X-ray study of the temperature dependence of the quartz structure | |  | Sample: at T = 298 K | |  | \_database\_code\_amcsd 0006362 | |  | 4.9137 4.9137 5.4047 90 90 120 \*P3\_221 | |  | 0 0 .6666666666666667 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07318.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07318.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07318.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07318.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07318.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07318.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('07318')) 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Sample: at T = 697 K | |  | \_database\_code\_amcsd 0006366 | |  | 4.9509 4.9509 5.4285 90 90 120 \*P3\_221 | |  | 0 0 .6666666666666667 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07322.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07322.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07322.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07322.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07322.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07322.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('07322')) ([**permalink**](javascript:viewJmolPermalink('0006366'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=07323.amc&down=amc) | | **[Download hom/quartz.pdf](http://rruff.geo.arizona.edu/doclib/hom/quartz.pdf)** | Kihara K | |  | European Journal of Mineralogy 2 (1990) 63-77 | |  | An X-ray study of the temperature dependence of the quartz structure | |  | Sample: at T = 773 K | |  | \_database\_code\_amcsd 0006367 | |  | 4.9628 4.9628 5.4360 90 90 120 \*P3\_221 | |  | 0 0 .6666666666666667 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07323.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07323.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07323.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07323.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07323.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07323.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('07323')) 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Sample: at T = 854 K | |  | \_database\_code\_amcsd 0006371 | |  | 4.9968 4.9968 5.4576 90 90 120 P6\_222 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07327.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07327.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07327.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07327.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07327.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07327.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('07327')) ([**permalink**](javascript:viewJmolPermalink('0006371'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=07328.amc&down=amc) | | **[Download hom/quartz.pdf](http://rruff.geo.arizona.edu/doclib/hom/quartz.pdf)** | Kihara K | |  | European Journal of Mineralogy 2 (1990) 63-77 | |  | An X-ray study of the temperature dependence of the quartz structure | |  | Sample: at T = 859 K | |  | \_database\_code\_amcsd 0006372 | |  | 4.9973 4.9973 5.4572 90 90 120 P6\_222 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07328.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07328.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07328.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07328.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07328.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07328.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('07328')) ([**permalink**](javascript:viewJmolPermalink('0006372'))) | |  |  | |  | 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Sample: at T = 1012 K | |  | \_database\_code\_amcsd 0006377 | |  | 4.9964 4.9964 5.4543 90 90 120 P6\_222 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07333.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07333.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07333.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07333.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07333.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07333.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('07333')) ([**permalink**](javascript:viewJmolPermalink('0006377'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=07334.amc&down=amc) | | **[Download hom/quartz.pdf](http://rruff.geo.arizona.edu/doclib/hom/quartz.pdf)** | Kihara K | |  | European Journal of Mineralogy 2 (1990) 63-77 | |  | An X-ray study of the temperature dependence of the quartz structure | |  | Sample: at T = 1078 K | |  | \_database\_code\_amcsd 0006378 | |  | 4.9965 4.9965 5.4546 90 90 120 P6\_222 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07334.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07334.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07334.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07334.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=07334.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=07334.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('07334')) ([**permalink**](javascript:viewJmolPermalink('0006378'))) | |  |  | |  | 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deg C | |  | Note: symmetry constraints on the temperature factors were applied incorrectly | |  | \_database\_code\_amcsd 0010604 | |  | 5.01 5.01 5.47 90 90 120 P6\_222 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12438.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12438.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12438.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12438.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12438.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12438.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('12438')) ([**permalink**](javascript:viewJmolPermalink('0010604'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=12439.amc&down=amc) | | **[Download hom/quartz.pdf](http://rruff.geo.arizona.edu/doclib/hom/quartz.pdf)** | Arnold H | | **[Download zk/vol117/ZK117_467.pdf](http://rruff.geo.arizona.edu/doclib/zk/vol117/ZK117_467.pdf)** | Zeitschrift fur Kristallographie 117 (1962) 467-469 | |  | Die struktur des hochquarzes | |  | Note: sample is at T = 650 deg C, under the false assumption that it is twinned | |  | \_database\_code\_amcsd 0010605 | |  | 5.01 5.01 5.47 90 90 120 P3\_121 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12439.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12439.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12439.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12439.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12439.txt&down=dif) ([**View Text 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structures of the low-temperature quartz-type phases of SiO2 and GeO2 at elevated pressure | |  | P = 4.0GPa = 40 kbar | |  | \_database\_code\_amcsd 0011008 | |  | 4.775 4.775 5.3046 90 90 120 \*P3\_121 | |  | 0 0 .3333333333333333 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12893.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12893.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12893.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12893.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12893.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12893.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('12893')) ([**permalink**](javascript:viewJmolPermalink('0011008'))) | |  |  | |  | 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90 90 120 \*P3\_121 | |  | 0 0 .3333333333333333 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12895.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12895.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12895.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12895.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=12895.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=12895.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('12895')) ([**permalink**](javascript:viewJmolPermalink('0011010'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=15492.amc&down=amc) | | **[Download hom/quartz.pdf](http://rruff.geo.arizona.edu/doclib/hom/quartz.pdf)** | Gualtieri A F | |  | Journal of Applied Crystallography 33 (2000) 267-278 | |  | Accuracy of XRPD QPA using the combined Rietveld-RIR method | |  | Locality: Baveno, Novara, Italy | |  | \_database\_code\_amcsd 0012866 | |  | 4.9158 4.9158 5.4091 90 90 120 P3\_121 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=15492.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=15492.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=15492.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=15492.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=15492.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=15492.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('15492')) ([**permalink**](javascript:viewJmolPermalink('0012866'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=17702.amc&down=amc) | | **[Download 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Die Bindung | |  | im Quarz | |  | \_cod\_database\_code 1011172 | |  | \_database\_code\_amcsd 0018049 | |  | 4.913 4.913 5.405 90 90 120 P3\_121 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=18413.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=18413.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=18413.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=18413.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=18413.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=18413.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('18413')) ([**permalink**](javascript:viewJmolPermalink('0018049'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=19596.amc&down=amc) | | **[Download 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amorphization of alpha-quartz | |  | Locality: synthetic | |  | Sample: P = 9.5 GPa | |  | \_database\_code\_amcsd 0015466 | |  | 4.594 4.594 5.200 90 90 120 P3\_121 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=19600.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=19600.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=19600.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=19600.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=19600.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=19600.txt&down=text)) [**View JMOL 3-D Structure**](javascript:viewJmol('19600')) ([**permalink**](javascript:viewJmolPermalink('0015466'))) | |  |  | |  | [**Quartz**](http://rruff.geo.arizona.edu/AMS/download.php?id=19601.amc&down=amc) | | **[Download hom/quartz.pdf](http://rruff.geo.arizona.edu/doclib/hom/quartz.pdf)** | Hazen R M, Finger L W, Hemley R J, Mao H K | |  | Solid State Communications 72 (1989) 507-511 | |  | High-pressure crystal chemistry and amorphization of alpha-quartz | |  | Locality: synthetic | |  | Sample: P = 12.5 GPa | |  | \_database\_code\_amcsd 0015467 | |  | 4.535 4.535 5.170 90 90 120 P3\_121 | |  | [**Download AMC data**](http://rruff.geo.arizona.edu/AMS/download.php?id=19601.amc&down=amc) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=19601.amc&down=text)) [**Download CIF data**](http://rruff.geo.arizona.edu/AMS/download.php?id=19601.cif&down=cif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=19601.cif&down=text)) [**Download diffraction data**](http://rruff.geo.arizona.edu/AMS/download.php?id=19601.txt&down=dif) ([**View Text File**](http://rruff.geo.arizona.edu/AMS/download.php?id=19601.txt&down=text)) [**View JMOL 3-D 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