

**Prof. Dr. Alexander Belyakov**

Department of Physics  
Saint-Petersburg State  
Technological Institute  
Moskovskii Prosp. 26  
190013 St. Petersburg  
Russia

Telephone: (+7) (812) 316-1092  
Telefax: (+7) (812) 316-1092  
E-Mail: belyakov@technolog.edu.ru  
avbel@mail.ru

Homepage:

<b>C<sub>5</sub>H<sub>11</sub>BrSi</b> CH <sub>2</sub> (CH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> SiH–Br	<b>1-Bromo-1-silacyclohexane</b> Structure and conformations by ED, QC, NMR, IR and Raman <i>S. O. Wallevik, R. Bjornsson, Á. Kvaran, S. Jonsdottir, I. Arnason, A. V. Belyakov, T. Kern, and K. Hassler</i> <i>Organometallics.</i> , <b>32</b> (2013), 6996
<b>C<sub>5</sub>H<sub>11</sub>ClSi</b> CH <sub>2</sub> (CH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> SiH–Cl	<b>1-Chloro-1-silacyclohexane</b> Structure and conformations by ED, QC, NMR, IR and Raman <i>S. O. Wallevik, R. Bjornsson, Á. Kvaran, S. Jonsdottir, I. Arnason, A. V. Belyakov, T. Kern, and K. Hassler</i> <i>Organometallics.</i> , <b>32</b> (2013), 6996
<b>C<sub>5</sub>H<sub>11</sub>FSi</b> CH <sub>2</sub> (CH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> SiH–F	<b>1-Fluoro-1-silacyclohexane</b> Structure and conformations by QC <i>Y. F. Sigolaev, S. G. Semenov, and A. V. Belyakov</i> <i>Russ. J. Gen. Chem.</i> , <b>83</b> (2013), 932 / <i>Zh. Obshch. Khim.</i> , <b>83</b> (2013), 795
<b>C<sub>5</sub>H<sub>11</sub>ISi</b> CH <sub>2</sub> (CH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> SiH–I	<b>1-Iodo-1-silacyclohexane</b> Structure and conformations by ED, QC, NMR, IR and Raman <i>S. O. Wallevik, R. Bjornsson, Á. Kvaran, S. Jonsdottir, I. Arnason, A. V. Belyakov, T. Kern, and K. Hassler</i> <i>Organometallics.</i> , <b>32</b> (2013), 6996
<b>C<sub>6</sub>H<sub>11</sub>NSi</b> CH <sub>2</sub> (CH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> SiH–CN	<b>1-Cyano-1-silacyclohexane</b> Structure and conformations by QC <i>Y. F. Sigolaev, S. G. Semenov, and A. V. Belyakov</i> <i>Russ. J. Gen. Chem.</i> , <b>83</b> (2013), 932 / <i>Zh. Obshch. Khim.</i> , <b>83</b> (2013), 795
<b>C<sub>9</sub>H<sub>20</sub>Si</b> CH <sub>2</sub> (CH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> SiH–t-Bu	<b>1-Tert-butyl-1-silacyclohexane</b> Structure and conformations by QC <i>Y. F. Sigolaev, S. G. Semenov, and A. V. Belyakov</i> <i>Russ. J. Gen. Chem.</i> , <b>83</b> (2013), 932 / <i>Zh. Obshch. Khim.</i> , <b>83</b> (2013), 795
<b>C<sub>10</sub>H<sub>19</sub>NSi</b> CH <sub>2</sub> (CH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> Si(t-Bu)–CN	<b>1-Tert-butyl-1-cyano-1-silacyclohexane</b> Structure and conformations by QC <i>Y. F. Sigolaev, S. G. Semenov, and A. V. Belyakov</i> <i>Russ. J. Gen. Chem.</i> , <b>83</b> (2013), 932 / <i>Zh. Obshch. Khim.</i> , <b>83</b> (2013), 795
<b>C<sub>200</sub>H<sub>260</sub></b>	<b>Adamant-1,3,5-triyl super dodecahedrane</b> Structure by QC <i>S. G. Semenov, Y. F. Sigolaev, and A. V. Belyakov</i> <i>J. Struct. Chem.</i> , <b>54</b> (2013), 960 / <i>Zh. Strukt. Khim.</i> , <b>54</b> (2013), 923
<b>C<sub>260</sub>F<sub>260</sub></b>	<b>Perfluoroadamant-1,3,5-triyl super dodecahedrane</b> Structure by QC <i>S. G. Semenov, Y. F. Sigolaev, and A. V. Belyakov</i>

	J. Struct. Chem., <b>54</b> (2013), 960 / Zh. Strukt. Khim., <b>54</b> (2013), 923
<b>C<sub>260</sub>H<sub>260</sub></b>	<b>Adamant-1,3,5-triyl super dodecahedrane</b> Structure by QC <i>S. G. Semenov, Y. F. Sigolaev, and A. V. Belyakov</i> J. Struct. Chem., <b>54</b> (2013), 960 / Zh. Strukt. Khim., <b>54</b> (2013), 923
<b>C<sub>320</sub>H<sub>260</sub></b>	<b>Adamant-1,3,5-triyl super dodecahedrane</b> Structure by QC <i>S. G. Semenov, Y. F. Sigolaev, and A. V. Belyakov</i> J. Struct. Chem., <b>54</b> (2013), 960 / Zh. Strukt. Khim., <b>54</b> (2013), 923