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<b>C<sub>4</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub></b>	<b>Barbituric acid</b> Molecular structure, conformation and large amplitude motion by GED and quantum chemical calculations. <i>O. V. Dorofeeva, I. I. Marochkin, N. M. Karasev, I. F. Shishkov, and H. Oberhammer</i> Struct. Chem., <b>22</b> (2011), 419
<b>C<sub>4</sub>H<sub>12</sub>Si<sub>2</sub></b>	<b>1,2-Disilacyclohexane</b> Structure, energetics and potential energy surface. <i>I. Arnason, P. I. Gudnason, R. Bjornsson, and H. Oberhammer</i> J. Phys. Chem. A, <b>115</b> (2011), 10000
<b>C<sub>4</sub>H<sub>12</sub>Si<sub>2</sub></b>	<b>1,3-Disilacyclohexane</b> Structure, energetics and potential energy surface. <i>I. Arnason, P. I. Gudnason, R. Bjornsson, and H. Oberhammer</i> J. Phys. Chem. A, <b>115</b> (2011), 10000
<b>C<sub>4</sub>H<sub>12</sub>Si<sub>2</sub></b>	<b>1,4-Disilacyclohexane</b> Structure, energetics and potential energy surface. <i>I. Arnason, P. I. Gudnason, R. Bjornsson, and H. Oberhammer</i> J. Phys. Chem. A, <b>115</b> (2011), 10000
<b>C<sub>5</sub>H<sub>10</sub>N<sub>4</sub></b>	<b>N-Azidomethylpyrrolidine</b> Anomeric effect by GED and theoretical study. <i>O. V. Dorofeeva, A. V. Mitin, P. E. Altova, N. M. Karasev, G. O. Nabiev, L. V. Vilkov, and H. Oberhammer</i> Phys. Chem. Chem. Phys., <b>13</b> (2011), 1490
<b>C<sub>5</sub>H<sub>11</sub>ClSi</b>	<b>1-Chloro-1-silacyclohexane</b> Structure by GED and quantum chemistry. <i>A. V. Belyakov, A. A. Baskakov, V. N. Naraev, A. N. Rykov, H. Oberhammer, I. Arnason, and S. O. Wallevik</i> Russ. J. Gen. Chem., <b>81</b> (2011), 2257
<b>C<sub>5</sub>H<sub>11</sub>ISi</b>	<b>1-Iodo-1-silacyclohexane</b> Structure by GED and quantum chemical calculations <i>A. V. Belyakov, A. A. Baskakov, R. J. F. Berger, N. W.. Mitzel, H. Oberhammer, I. Arnason, and S. O. Wallevik</i> J. Mol. Struct., <b>1012</b> (2012), 126
<b>C<sub>15</sub>H<sub>12</sub>O<sub>2</sub> C<sub>6</sub>H<sub>5</sub>-C(O)-CH<sub>2</sub>-C(O)-C<sub>6</sub>H<sub>5</sub></b>	<b>Bibenzoylmethane</b> Tautomeric and conformational properties. <i>N. V. Belova, H. Oberhammer, and G. V. Girichev</i> Struct. Chem., <b>22</b> (2011), 267
<b>GdI<sub>3</sub></b>	<b>Gadolinium triiodide</b> Structure by synchronous GED and mass spectrometric experiment assisted by quantum chemical calculations. <i>N. I. Giricheva, S. A. Shlykov, E. A. Lapykina, H. Oberhammer, and G. V. Girichev</i> Struct. Chem., <b>22</b> (2011), 385
	<b>Praseodymium triiodide</b>

I<sub>3</sub>Pr

Structure by synchronous GED and mass spectrometric experiment assisted by quantum chemical calculations.  
*N. I. Giricheva, S. A. Shlykov, E. A. Lapykina, H. Oberhammer, and G. V. Girichev*  
Struct. Chem., **22** (2011), 385

**β-Diketonates**

Quantum chemical study of the structure and chemistry. XVII. Internal rotation of radical substituents in β-diketinate molecules.  
*N. V. Belova, G. V. Girichev, and H. Oberhammer*  
J. Struct.Chem., **52** (2011), 234